Self Diagnosis Supported model

SERVICE MANUAL

LE-4B CHASSIS

MODEL	COMMANDER	DEST	MODEL	COMMANDER	DEST
KDF-E42A11E	RM-ED002	AEP	**KDF-E50A11E**	RM-ED002	AEP



KDF-E42/50A11E



RM-ED002

LCD PROJECTION TV

SONY®

TABLE OF CONTENTS

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

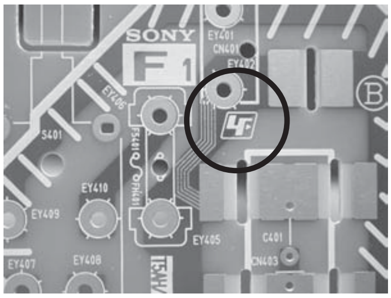
COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

CAUTION

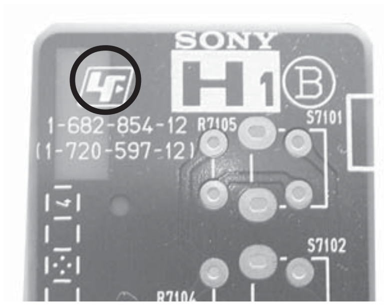
Lead Free Soldered Boards

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.

example 1



example 2



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

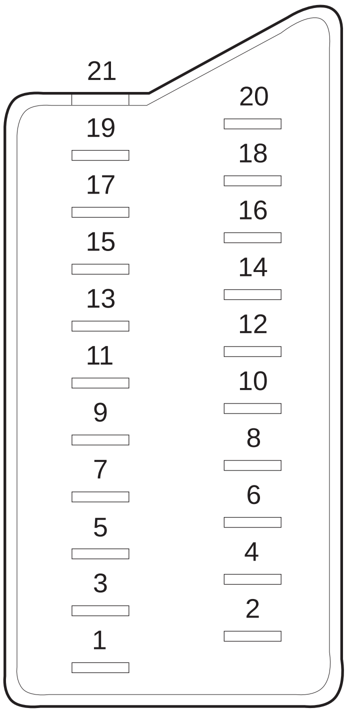
For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
AEP	B/G, L, I, D/K, DVB-T	NICAM Stereo	UHF : B21-B69 VHF: E02-E12 CATV: S1-S20 HYPER: S21-S41	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY) MPEG-2 MP@ML

Projected Picture Size	Approx 107 cm (42 inches) KDF-E42A11E Approx 127 cm (50 inches) KDF-E50A11E	**Sound Output**	
		Right and Left speaker	2x20W (Music Power) 2x10W (RMS)
Input/Output Terminals [REAR]		**General Specifications**	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption/ Standby	Approx 175W/0.8W
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs for Video and Audio signals (selectable). Smartlink interface.	Dimensions	Approx 720 x 1000 x 350mm (KDF-E42A11E) Approx 825 x 1180 x 395mm (KDF-E50A11E)
		Weight	Approx 25.1kg (KDF-E42A11E) Approx 29.6kg (KDF-E50A11E)
Phono Jacks	Output Connectors variable for Audio Signals.	Supplied Accessories	RM-ED002 Remote Commander (1) IEC designated R6 battery (2) Coaxial Cable (1)
Minijack	Input for PC Audio.	Other Features	3D Comb Filter, Teletext, NextView, PAT, Smartlink,Virtual Dolby, BBE, NICAM, HDMI input, PCMCIA, modem out.
D type connector	PC input.		
Input/Output Terminals [FRONT]		**Remote control system : Infrared control**	
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation LR03 (size AAA)
Audio inputs	phono jacks		
Video inputs	phono jacks		
S Video input	4 pin DIN		
Design and specifications are subject to change without notice.			

Model Name / Item	KDF-E42A11E	KDF-E50A11E
PAP	OFF	OFF
PAT	ON	ON
RGB Priority	ON	ON
Sub Woofer	OFF	OFF
Scart 1	ON	ON
Scart 2	ON	ON
Front in (4)	ON	ON
Projector	ON	ON
Norm B/G	ON	ON
Norm I	ON	ON
Norm D/K	ON	ON
Norm AUS	OFF	OFF
Norm L	ON	ON
Norm SAT	OFF	OFF
Norm M	OFF	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

21 pin connector



Pin No	1	2	3	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	–	–	Red input	0.7 +/- 3dB, 75 ohms, positive
	–	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	–	–	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	–	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Front Connection Panel

S-Video socket



S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

SECTION 1 SELF DIAGNOSIS FUNCTION

LE-4B Self Diagnostic Software

LE-4B chassis TV's contain a self diagnosis function. In the event of an error occurring, the STANDBY LED indicator will automatically begin to flash. The number of times the STANDBY LED indicator flashes translates to a probable source of the problem. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1. DIAGNOSTIC TEST INDICATORS

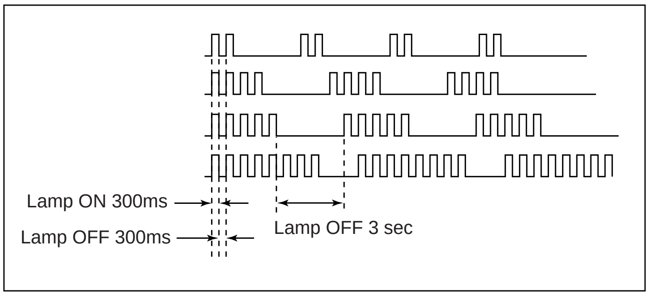
When an error occurs, the STANDBY indicator will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the indicator will identify the first of the problem areas.

The result for all of the following diagnosis items are displayed on screen. No error has occured if the screen displays a "0".

Error Message	LED Code	Probable Cause Location	Symptom
Lamp Cover Error	02	- Lamp cover is not attached securely. - Lamp is not set securely.	- No picture/No sound
Lamp Prot	03	- Lamp for light source burns out.	
Fan Prot	04	- Fan has no power. - Fan connector is not attached securely.	- No picture/No sound
Temp Prot	05	- Set temperature is high - Temp sensor connector is not attached securely.	- No picture/No sound
SP Prot	06	- Speakers Protection error.	- No picture/No sound
Digital	08	- N board error.	- No picture/No sound
Tuner	09	- Tuner error.	- No picture/No sound
SP	10	- Sound procesor error.	
SVP	11	- Video procesor error.	
CDEC	12	- Chroma decoder error.	
AV Switch	13	- AV switch error.	
RTC	14	- Real Time clock error.	
PEXP1	16	- Port expander 1 error.	
PEXP2	17	- Port expander 2 error.	
NVM	19	- NVM error.	
IIC	20	- I2C bus error.	- No picture/No sound

2. DISPLAY OF STANDBY INDICATOR FLASH COUNT

Revision 2.0
(Click on table to see related change)



3. STOPPING THE STANDBY INDICATOR FLASH

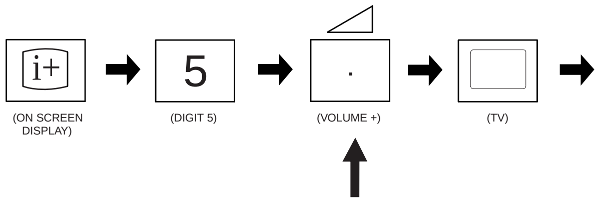
Turn off the power switch on the TV to stop the STANDBY indicator from flashing.

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes off” that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To bring up the screen test

In standby mode, press buttons on the remote commander sequentially in rapid sucession as shown below:



Note that this differs from entering the service mode (volume [+])

The following screen will be displayed indicating the error count.

E02:	LAMP COVER	(0,255)	0
E03:	LAMP PROT	(0,255)	0
E04:	FAN PROT	(0,255)	0
E05:	TEMP PROT	(0,255)	0
E06:	SP PROT	(0,255)	0
E08:	DIGITAL	(0,255)	0
E09:	TUNER	(0,255)	0
E10:	SOUNDPROC	(0,255)	0
E11:	VCTP	(0,255)	0
E12:	CDEC	(0,255)	0
E13:	AV SWITCH	(0,255)	0
E14:	RTC	(0,255)	0
E16:	PORTEXP1	(0,255)	0
E17:	PORTEXP2	(0,255)	0
E19:	NVM	(0,255)	0
E20:	IIC	(0,255)	0
WORKING TIME			
HOURS		(0,65535)	2
MINUTES		(0,59)	58

Numeral “0” means that no fault was detected.
Numeral “1” means the number of a fault occurrence (1 ~ 255).

Revision 2.0
(Click on table to see related change)

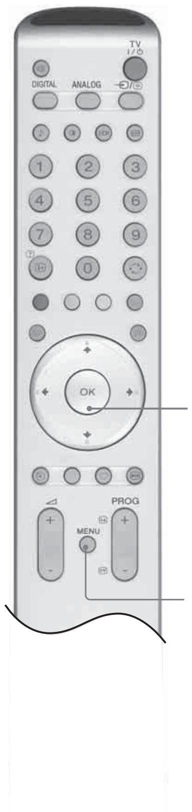
To clear the error display count press “8” then “0” on the remote commander.

To exit the self-diagnostic screen, turn off the power switch on the TV set.

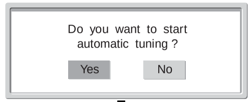
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

7: Auto-tuning the TV

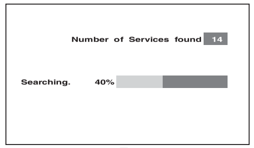
After selecting the language and country/region, a message confirming the TV start auto-tuning appears on the screen.
You must tune the TV to receive channels (TV broadcasts). Do the following to search and store all available channels.



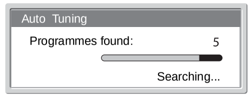
1 Press OK to select "Yes".



Digital auto-tune display DVB



Analogue auto-tune display



The TV starts searching for all available digital channels followed by all available analogue channels. This may take some time, please be patient and do not press any buttons on the TV or remote.
Once all available digital and analogue channels have been stored, the TV returns to normal operation, displaying the digital channel stored on channel number 1. If no digital channels are found, the analogue channel stored on channel 1 is displayed.

When a message appears for you to confirm the aerial connections
No digital or analogue channels are found. Check all the aerial connections and press OK twice to start auto-tuning again.

2 The Programme Sorting menu appears on the screen.

Note

If some digital channel is found, this step will not appear

3 To change the order in which the channels are stored on the TV. See page 30.

4 Press MENU to exit.

The TV has now tuned in all the available channels.

Tip
DVB functions are available only for DVB countries (page 2).

Viewing pictures from connected equipment

Switch on the connected equipment, then perform one of the following operation.

For equipment connected to the scart sockets using a fully-wired 21-pin scart lead
Start playback on the connected equipment.
The picture from the connected equipment appears on the screen.

For an auto-tuned VCR page 11
Press PROG +/-, or the number buttons, to select the video channel. You can also press ⊕/⊟ repeatedly until the correct input symbol (see below) appears on the screen.

For other connected equipment
Press ⊕/⊟ repeatedly until the correct input symbol (see below) appears on the screen or press OK to access the Input signal index table. Press ➡ to select an input source, press ⬇/⬆, then press OK.

⊕1/⊡1, ⊕2/⊡2:
Audio/video or RGB input signal through the scart socket ⊕/⊡1 or 2. ⊡ appears only if an RGB source has been connected.

⊡3:
Component input signal through the Y, PB/CB, PR/CR sockets ⊡/⊕3, and audio input signal through the L/G/S/I, R/D/D/D sockets ⊡/⊕3.

⊕4/S⊕4:
Video input signal through the video socket ⊕4, and audio input signal through the audio socket L/G/S/I (MONO), R/D/D/D sockets ⊕4. S⊕ appears only if the equipment is connected to the S video socket S⊕4 instead of the video socket ⊕4, and S video input signal is input through the S video socket S⊕4.

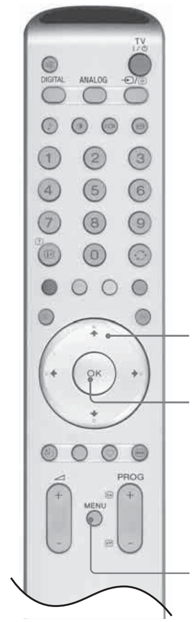
⊡5:
RGB input signal through the PC connectors ⊡5, and audio input signal through the socket ⊕5.

⊡6:
Digital audio/video signal is input through the HDMI IN 6 socket. Audio input signal is analogue only if the equipment has been connected using the DVI and audio out socket.

Additional operations

To	Do this
Return to the normal TV operation	Press DIGITAL or ANALOG.
Access the Input signal index table	Press OK. Press ➡ to select an input source, press ⬇/⬆, then press OK.

Navigating through menus



1 Press MENU to display the menu.

2 Press ⬆/⬇ to select a menu icon, press ➡.

3 Press ⬆/⬇/⬅/➡ to select an option.

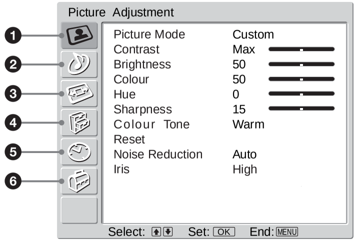
4 Press ⬆/⬇/⬅/➡ to change/set the setting, then press OK.

To exit the menu, press MENU.
To return to the last display, press ⬅.

Continued

Overview of the menus

The following options are available in each menu. For details on navigating through menus, see (page 19). Also, see page in parentheses for details of each menu.



❶ Picture Adjustment
- Picture Mode (21)
- Contrast/Brightness/Colour/Hue/ Sharpness (21)
- Colour Tone (21)
- Reset (22)
- Noise Reduction (22)
- Iris (22)

❷ Sound Adjustment
- Sound Effect (23)
- Treble/Bass/Balance (23)
- Reset (23)
- Dual Sound (24)
- Auto Volume (24)

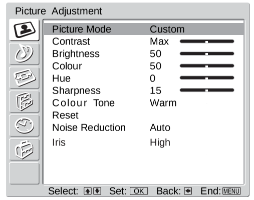
❸ Screen
- Auto Format (25)
- Screen Format (25)
- RGB Center (25)

❹ Features
- AV2 Output (26)
- TV Speakers (26)
- PC Adjustment (27)

❺ Timer
- Sleep Timer (28)
- Clock Set (28)
- Timer (28)

❻ Set Up
- Auto Start Up (29)
- Language (29)
- Country (29)
- Auto Tuning (30)
- Programme Sorting (30)
- Programme Labels (31)
- AV Preset (31)
  – Label/Skip
- Manual Programme Preset (31)
  – Programme/System/Channel/Label/AFT/ Audio Filter/Skip/Decoder/ATT/Confirm
- Digital Set Up (34)
  – Digital Tuning/Digital Set-up

Picture Adjustment menu



You can select the options listed below on the Picture Adjustment menu. To select options, see “Navigating through menus” (page 19).

Tip
When you set the “Picture Mode” option to “Vivid” or “Standard,” you can adjust only “Contrast,” and “Reset.”

Picture Mode

Selects the picture mode.

1 Press OK to select “Picture Mode”.

2 Press ↓/↑ to select one of the following picture modes, then press OK.

Vivid: For big lighted spaces.
Standard: Optimal picture for home use.
Custom: Allows you to store your own prefered settings.

Tip
You can change the picture mode by pressing ☼ repeatedly.

Contrast/Brightness/Colour/Hue/Sharpness

1 Press OK to select the option.

2 Press ←/→ to set the level, then press OK.

Tip
“Hue” can only be adjusted for an NTSC colour signal (e.g., U.S.A. video tapes).
“Brightness”, “Colour”, “Hue” and “Sharpness” only appear and can be adjusted if “Picture Mode” is set to “Custom”.

Colour Tone

1 Press OK to select “Colour Tone”.

2 Press ↓/↑ to select one of the following, then press OK.

Cool: Gives the white colours a blue tint.
Neutral: Gives the white colours a neutral tint.
Warm: Gives the white colours a red tint.

Tip
“Warm” only appears and can be adjusted if “Picture Mode” is set to “Custom”.

Continued

Reset

Reset all the picture settings to the factory settings.

1 Press OK to select “Reset”.

2 Press ↓/↑ to select “OK,” then press OK.

Noise Reduction

Reduces the picture noise (snowy picture) in a weak broadcast signal.

1 Press OK to select “Noise Reduction”.

2 Press ↓/↑ to select “Auto”, then press OK.

Tip
This option cannot be used for an input signal from the Y, PB/CB, PR/CR sockets of ⇾/⇾3.

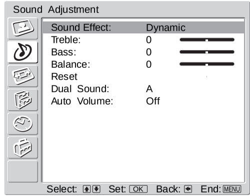
Iris

Enhances the contrast for dark scenes.

1 Press OK to select “Iris”.

2 Press ↓/↑ to select “High”, “Mid”, “Low” or “Off” then press OK.

Sound Adjustment menu



You can select the options listed below on the Sound Adjustment menu. To select options, see “Navigating through menus” (page 19).

Sound Effect

1 Press OK to select “Sound Effect”.

2 Press ↓/↑ to select one of the following sound effects, then press OK.

Natural: Enhances clarity, detail, and sound presence by using “BBE High definition Sound System*1.”
Dynamic: Intensifies clarity and sound presence for better intelligibility and musical realism by using the “BBE High definition Sound System.”
Dolby Virtual*2: Uses the TV speakers to simulate the surround effect produced by a multi channel system.
Off: Flat response.

Tips
You can change sound effect by pressing ♪ repeatedly.
If you set “Auto Volume” to “On”, “Soud Effect” changes to “Natural”.

*1 Licensed by BBE Sound, Inc. under USP4638258, 4482866. “BBE” and BBE symbol are trademarks of BBE Sound, Inc.
*2 Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol ▯▯ are trademarks of Dolby Laboratories.

Treble/Bass/Balance

Adjusts higher-pitched sounds (Treble), adjusts lower-pitched sounds (Bass), and emphasizes left or right speaker balance (Balance).

1 Press OK to select the option.

2 Press ←/→ to set the level, then press OK.

Reset

Resets the “Treble,” “Bass” and “Balance” settings to the factory settings.

1 Press OK to select “Reset”.

2 Press ↓/↑ to select “OK,” then press OK.

Continued

Dual Sound

Selects the sound from the speaker for a stereo or bilingual broadcast.

1 Press OK to select “Dual Sound”.

2 Press ⬇/⬆ to select one of the following, then press OK.

Stereo/Mono: For a stereo broadcast.
A/B/Mono: For a bilingual broadcast, select “A” for sound channel 1, “B” for sound channel 2, or “Mono” for a mono channel, if available.

Tip
If you select other equipment connected to the TV, set “Dual Sound” to “Stereo,” “A” or “B.”

Auto Volume

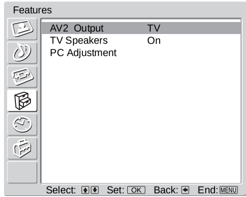
Keeps a constant volume level even when volume level gaps occur (e.g., adverts tend to be louder than programmes).

1 Press OK to select “Auto Volume”.

2 Press ⬇/⬆ to select “On,” then press OK.

Tip
If you set “Sound Effect” to “Dolby Virtual”, “Auto Volume” will automatically be switched to “Off”.

Features menu



You can select the options listed below on the Features menu. To select options, see “Navigating through menus” (page 19).

AV2 Output

Sets a signal to be output through the socket labelled ⇦/⇨2 on the rear of the TV. If you connect a VCR to the ⇦/⇨2 socket, you can then record from the equipment connected to other sockets of the TV.

1 Press OK to select “AV2 Output”.

2 Press ⬇/⬆ to select one of the following, then press OK.

D-TV: Outputs a digital broadcast.
A-TV: Outputs an analogue broadcast.
AV1: Outputs signals from equipment connected to the ⇦/⇨1 socket.
AV4: Outputs signals from equipment connected to the ⇨4/S⇨4 socket.
Auto: Outputs whatever is being viewed on the screen.

TV Speakers

Turns off the TV speakers e.g. to listen to the sound through external audio equipment connected to the TV.

1 Press OK to select “TV Speakers”.

2 Press ⬇/⬆ to select one of the following, then press OK.

On: the sound is output from the TV speakers.
One Time Off: the TV speakers are temporarily turned off allowing you to listen to the sound from external audio equipment.

Tip
The “TV speakers” option automatically returns to “On” when the TV set is switched off.

Permanent Off: the TV speakers are permanently turned off allowing you to listen to the sound from external audio equipment.

Tip
To turn on the TV speakers again, change to on.

PC Adjustment

Customizes the TV screen as a PC monitor.

1 Press OK to select “PC Adjustment”.

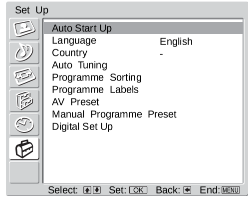
2 Press ↓/↑ to select one of the following, then press OK.

Phase: Adjust the screen when a part of a displayed text or image is not clear.
Pitch: Enlarges or shrinkes the screen size horizontally.
H Center: Moves the screen to the left or to the right.
V Center: Moves the screen up or down.
Power saving: Turns to standby mode if no PC signal is received.
Reset: Resets to the factory settings.

Tip

This option is only available if you are in PC Mode.

Set Up menu



You can select the options listed below on the Set Up menu. To select options, see “Navigating through menus” (page 19).

Auto Start Up

Starts the “first time operation menu” to select the language and country/region, and tune in all available digital and analogue channels. Usually, you do not need to do this operation because the language and country/region will have been selected and channels already tuned when the TV was first installed (13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house).

1 Press OK to select “Auto Start Up”.

2 Press OK to select “Yes.”

The auto-tune display appears on the screen.

3 Follow steps of “6: Selecting the language and country/region” (page 12) and “7: Auto-tuning the TV” (page 13).

Language

Selects the language in which the menus are displayed.

1 Press OK to select “Language”.

2 Press ↑/↓/←/→ to select the language, then press OK.

All menus will appear in the selected language.

Country

Selects the country/region where you operate the TV.

1 Press OK to select “Country”.

2 Press ↑/↓ to select the country/region in which you will operate the TV, then press OK.

If the country/region in which you want to use the TV does not appear in the list, select “-” instead of a country/region.

Continued

Auto Tuning (Analogue mode only)

Tunes in all the available analogue channels.
Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for a new channels that have been launched by broadcasters).

1 Press OK to select “Auto Tuning”.

2 Follow step 1 of “Auto-tuning the TV” (page 13).
When all available analogue channels have been tuned, the TV returns to normal operation.

Programme Sorting (Analogue mode only)

Changes the order in which the analogue channels are stored on the TV.

1 Press OK to select “Programme Sorting”.

2 Press ↑/↓ to select the channel you want to move to a new position, then press OK.

3 Press ↑/↓ to select the new position for your channel, then press OK.

Repeat the procedure in steps 2 and 3 to move other channels if required.

Programme Labels (Analogue mode only)

Assigns a channel name of your choice up to five letters or numbers. The name will be displayed briefly on the screen when the channel is selected. (Names for channels are usually taken automatically from Text (if available).)

1 Press OK to select “Programme Labels”.

2 Press ↑/↓ to select the channel you want to name, then press OK.

3 Press ↑/↓/←/→ to select the desired letter or number (“□” for a blank space), then press OK.

If you input a wrong character
Press ↑/↓/←/→ to select ⇦/⇨ and press OK repeatedly until the wrong character is selected. Then, press ↑/↓/←/→ to select the correct character and press OK.

4 Repeat the procedure in step 3 until the name is complete.

5 Press ↑/↓/←/→ to select “End,” then press OK.

AV Preset

Do the following options.

1 Press OK to select “AV Preset”.

2 Press ↑/↓ to select the desired input source, then press OK.

3 Press OK. Then press ↑/↓ to select the desired option below, then press OK.

Option	Description
Label	Assigns a name to any equipment connected to the side and rear sockets. The name will be displayed briefly on the screen when the equipment is selected. Press ↑/↓ to select one of the following, then press OK. AV1 (or AV2/AV3/AV4/PC/HDMI) VIDEO/DVD/CABLE/GAME/CAM/SAT: Uses one of these preset labels. Edit: Creates your own label. Follow steps 3 through 5 of Programme Labels (page 31). **Skip:** Skips an input source that is not connected to any equipment when you press ↑/↓ to select the input source. After selecting this option, press OK. **Sound Offset:** Sets an independent volume level to each equipment connected to the TV. Press → to select “Sound Offset”, then press OK. Press ↑/↓ to select the desired volume level.

Manual Programme Preset (Analogue mode only)

Before selecting “Label”/“AFT”/“Audio Filter”/“Skip”/“Decoder”/”ATT”, press PROG +/- to select the programme number with the channel. You cannot select a programme number that is set to skip (page 33).

1 Press OK to select “Manual Programme Preset”.

2 Press ↑/↓ to select one of the following options, then press OK.

Continued

Option	Description
Programme	Presets programme channels manually. **1** Press ↑/↓ to select "Programme", then press OK. **2** Press ↑/↓ to select the programme number you want to manually tune (if tuning a VCR, select channel 0), then press ←.
System	**3** Press ↑/↓ to select "System", then press OK. **Note** Depending on the country/region selected for "Country" (page 26), this option may not be available. **4** Press ↑/↓ to select one of the following TV broadcast systems, then press ←. B/G: for western European countries/regions D/K: for eastern European countries/regions I: for the United Kingdom L: for France
Channel	**5** Press ↑/↓ to select "Channel", then press OK. **6** Press ↑/↓ to select "S" (for cable channels) or "C" (for terrestrial channels), then press →. **7** Tune the channels as follows: **If you do not know the channel number (frequency)** Press ↑/↓ to search for the next available channel. When a channel has been found, the search will stop. To continue searching, press ↑/↓. **If you know the channel number (frequency)** Press the number buttons to enter the channel number of the broadcast you want or your VCR channel number. **8** Press OK. **9** Press OK to select "Confirm", then press OK. Repeat the procedure above to preset other channels manually.
Label	Assigns a name of your choice, up to five letters or numbers, to the selected channel. This name will be displayed briefly on the screen when the channel is selected. **1** Follow steps 3 to 5 of "Programme Labels" (page 31). **2** Press OK to select "Confirm", then press OK.
AFT	Fine-tunes the selected programme number manually if you feel that a slight tuning adjustment will improve the picture quality. (Normally, fine tuning is performed automatically.) **1** Press ↑/↓ to adjust the fine tuning over a range of -15 to +15, then press OK. **2** Press OK twice. To restore automatic fine tuning, select "On" in step 1.

Option	Description
Audio Filter	Improves the sound for individual channels in the case of distortion in mono broadcasts. Sometimes a non-standard broadcast signal can cause sound distortion or intermittent sound muting when watching mono programmes. **1** Press ↑/↓ to select "Low" or "High", then press OK. If you do not experience any sound distortion, we recommend that you leave this option set to the factory setting "Off". **2** Press OK to select "Confirm", then press OK. Note You cannot receive stereo or dual sound when "Low" or "High" is selected.
Skip	Skips unused analogue channels when you press PROG +/- to select channels. (You can still select a skipped channel using the number buttons.) **1** Press ↑/↓ to select "Yes", then press OK. **2** Press OK to select "Confirm", then press OK. To restore a skipped channel, select "No" in step 1.
Decoder	Records the scrambled channel selected when using a decoder connected to the scart connector ⇔/⇐2 either directly or via a VCR. Note Depending on the country/region selected for "Country" (page 29), this option may not be available. **1** Press ↑/↓ to select "On", then press OK. **2** Press OK to select "Confirm", then press OK. To cancel this function afterwards, select "Off" in step 1.
ATT	Attenuates the RF signal. In case of a strong RF signal, some video interference may be displayed. **1** Press ↓/↑ to select "On", then press OK. **2** Press OK to select "Confirm", then press OK. Tip This option cannot be used if "AV2 Output" is set to "D-TV" (page 26)

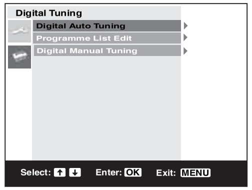
Continued

Digital Set Up DVB

Displays the “Digital Set Up” menu. You can change/set the digital settings using this menu.

1 Press OK to select “Digital Set Up”.

2 Press ↓/↑ to select the desired icon below, then press OK.



Digital Tuning menu

3 Press ↓/↑ to select one of the following options, then press OK.

Option	Description
Digital Tuning	
Digital Auto Tuning	Tunes in all the available digital channels. Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters). **1** Press OK to start digital auto-tuning. When all available digital channels have been tuned, a message stating that the auto-tuning process is finished appears. **2** Press ←.
Programme List Edit	Removes any unwanted digital channels stored on the TV, and changes the order of the digital channels stored on the TV. **1** Press ↓/↑ to select the channel you want to remove or move to a new position. **If you know the channel number (frequency)** Press the number buttons to enter the three-digit programme number of the broadcast you want. **To display the previous or next five channels** Press the red button (previous) or the green button (next). **2** Remove or change the order of the digital channels as follows: **To remove the digital channel** Press OK. A message that confirms whether the selected digital channel is to be deleted appears. Press ← to select “Yes”, then press OK. **To change the order of the digital channels** Press →, then press ↓/↑ to select the new position for the channel and press OK. Repeat the procedure in step 2 to move other channels if required. **3** Press ←.

Tip
DVB functions are available only for DVB countries (page 2)

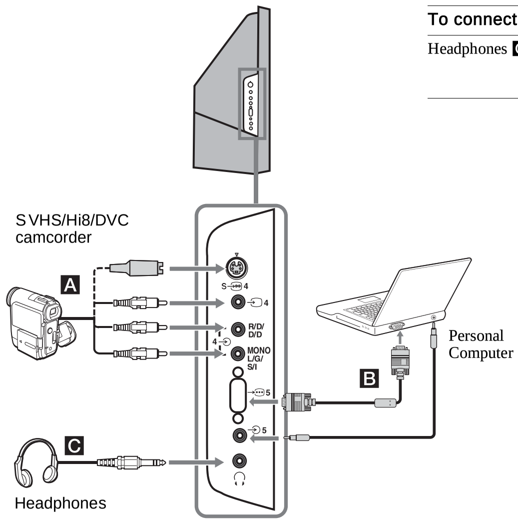
Option	Description
Digital Manual Tuning	Tunes the digital channels manually. **1** Press the number button to select the channel number you want to manually tune, then press ↓/↑ to tune the channel. **2** When the available channels are found, press ↓/↑ to select the channel you want to store, then press OK. **To display the previous or next five channels** Press the red button (previous) or the green button (next). **3** Press ↓/↑ to select the programme number where you want to store the new channel, then press OK. Repeat the procedure above to tune other channels manually.
Digital Set-up	Displays digital subtitles on the screen.
Subtitle Setting	Press ↓/↑ to select “Off”, “Basic”, or “For Hard of Hearing”, then press OK. When “For hard of hearing” is selected, some visual aids may also be displayed with the subtitles (if TV channels broadcast such information).
Subtitle Language	Selects which language subtitles are displayed in. Press ↓/↑ to select the language, then press OK.
Audio Language	Selects the language used for a programme. Some digital channels may broadcast several audio languages for a programme. Press ↓/↑ to select the audio language, then press OK.
Audio Type	Increases the sound level (only for Hard of Hearing). Press ↓/↑ to select “Basic” or “For Hard of Hearing”, then press OK.
Parental Lock	Sets an age restriction for programmes. Any programme that exceeds the age restriction can only be watched after a PIN Code is entered correctly. **1** Press the number buttons to enter your existing PIN code. If you have not previously set a PIN, a message appears to inform you. Press OK, then follow the instruction of “PIN code” below. **2** Press ↓/↑ to select the age restriction or “None” (for unrestricted watching), then press OK. **3** Press ←.

Option	Description
PIN Code	Sets a PIN code for the first time, or to change your PIN code. **1** Enter a PIN as follows: **If you have previously set a PIN** Press the number buttons to enter your existing PIN. **If you have not set a PIN:** Press the number buttons to enter the factory setting PIN of 9999. **2** Press the number buttons to enter the new PIN code. **3** When requested, press the number buttons to enter the new PIN again for confirmation. A message appears to inform you that the new PIN has been accepted. **4** Press ⇐. Tip PIN code 9999 is always accepted.
Technical Set-up	Displays the Technical Set-up menu. Do the following options. **1** Press ⇓/⇑ to select the desired option, then press OK. Auto Service Update: Enables the TV to detect and store new digital services as they become available. Software download: Enables the TV to automatically receive software updates, free through your existing aerial (when issued). Sony recommends that this option is set to "On" at all times. If you do not want your software to be updated, set this option to "Off". System Information: Displays the current software version and the signal level. Instead of step 2, Press ⇐. **2** Press ⇓/⇑ to select the "On", then press OK.
CA Module Set-up	This option will allow you to access a Pay Per View service once you obtain a Conditional Access Module (CAM) and a view card. See page 36 for the location of the (PCMCIA) socket.

Connecting optional equipment

You can connect a wide range of optional equipment to your TV. Connecting cables are not supplied.

Connecting to the side of the TV

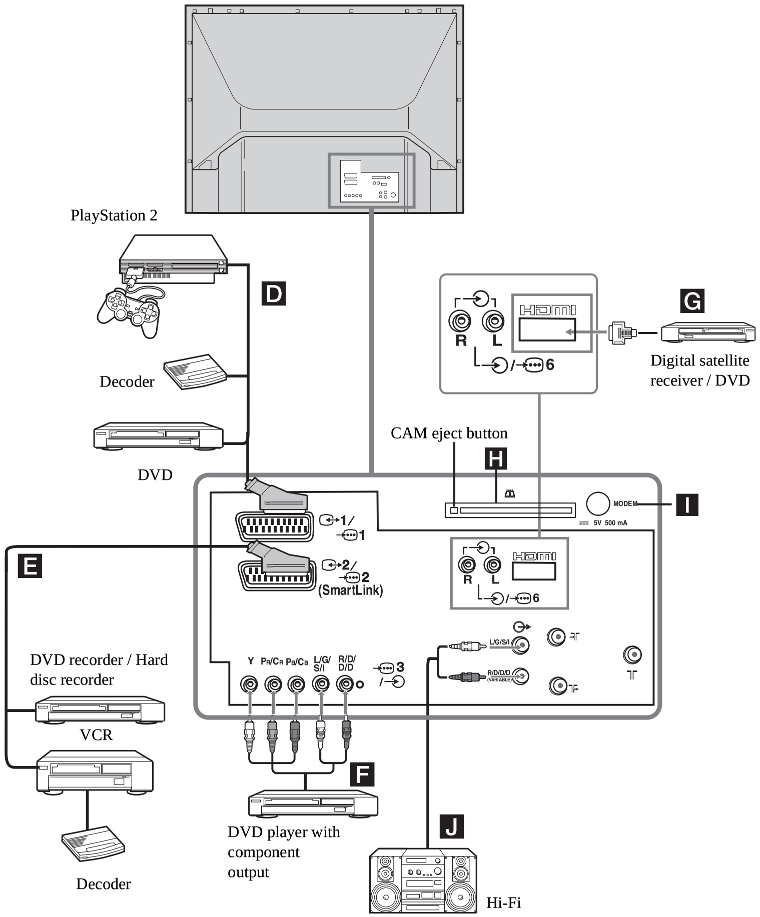


To connect	Do this
Headphones C	Connect to the socket to listen to sound from the TV on headphones.

To connect	Do this
S VHS/Hi 8/DVC camcorder A	Connect to the S video socket S 4 or the video socket 4, and the audio sockets 4. To avoid picture noise, do not connect the camcorder to the video socket 4 and the S video socket S 4 at the same time. If you connect mono equipment, connect to the L/G/S/I sockets 4, and set "Dual Sound" to "A" (page 24).
Personal Computer B	Connect to the PC Input socket 5 and the audio socket 5.

Note:
It is recommended to use a PC cable with ferrites.

Connecting to the rear of the TV



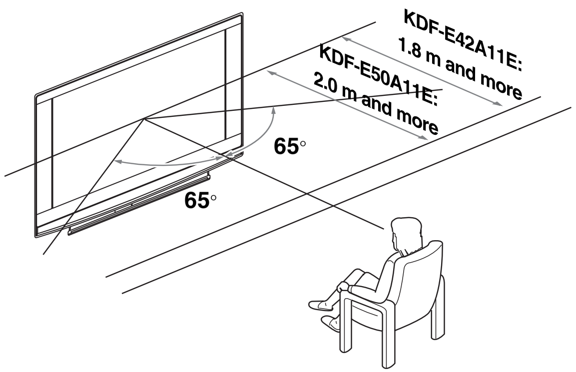
To connect	Do this
“PlayStation 2”, DVD player or decoder D	Connect to the scart socket 1. When you connect the decoder, the scrambled signal from the TV tuner is output to the decoder, then the unscrambled signal is output from the decoder.
DVD recorder or VCR that supports SmartLink E	Connect to the scart socket 2. SmartLink is a direct link between the TV and a VCR/DVD recorder. For more information on SmartLink, refer to the instruction manual supplied with your VCR or DVD recorder.
DVD player with component output F	Connect to the component socket 3 and the audio sockets 3. The component signal containing 576p signal format and audio signal are input from the DVD player.
Digital satellite receiver G	Connect only to the HDMI IN 6 socket. The digital video and audio signals are input from the digital satellite receiver. If the digital satellite receiver has a DVI socket and not an HDMI socket, connect the DVI socket to the HDMI IN 6 socket, and connect the audio socket to the audio sockets HDMI IN 6. The digital video and analogue audio signals are input from the digital satellite receiver.
CAM (Conditional Access Module) H For encripted PPV (Pay per View) services. Notes: Switch off the TV before inserting the CAM. Keep always the dummy card into the CAM slot when you remove the CAM.	Remove the dummy card from the CAM slot and insert the CAM. Insert the viewing card into the CAM.
Modem connector I	For future use only.
Hi-Fi audio equipment J	Connect to the audio output sockets to listen to the sound from the TV on Hi-Fi audio equipment. To turn off the sound of the TV speakers, set “Speaker” to “Off” (page 26).

Continued

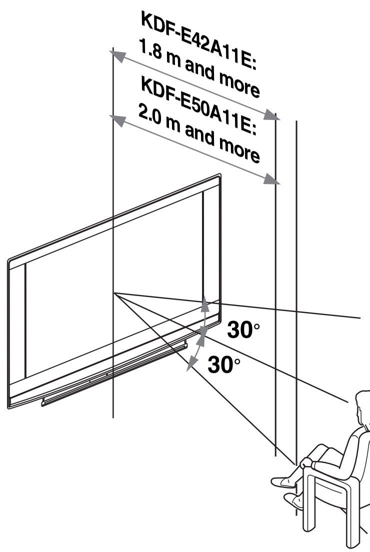
Optimum Viewing Area

For the best picture quality, try to position the TV set so that you can view the screen from within the areas shown below.

Horizontal viewing area



Vertical viewing area



Replacing the lamp

When the lamp becomes dark or the picture colour is not normal or the lamp indicator on the TV set flashes, replace with a new lamp.

Tips

- Only use the lamp XL-2400 for replacement. If you use another lamp, it may cause damage to the TV set.
- Do not remove the lamp except when replacing it.
- Before replacing the lamp, turn off the power and disconnect the power cord.
- Replace the lamp only after it becomes cool. The front glass of the lamp remains at least 100 °C (212 °F) even after the power has been turned off for 30 minutes.
- Do not place the old lamp in proximity to children or flammable material.
- Do not get the old lamp wet, or insert objects inside the lamp. It may cause the lamp to explode.
- Do not place the old lamp near easily flammable objects, as this may cause fire. Also, do not put your hand inside the lamp compartment, as you may be burned.
- Attach the new lamp securely. If it is not securely attached, the picture may become dark.
- Do not touch or stain the front glass of the new lamp or the glass of the lamp compartment. If the glass become dirty, the picture quality may deteriorate or the lamp life may shorten.
- Attach the lamp cover firmly. If it is not firmly attached, the power will not turn on.
- When the lamp burns out, a noise is audible. This does not indicate damage to the TV set.
- Consult your nearest Sony service center to obtain a new lamp.
- Always remember to dispose of used lamps in an evironmentally friendly way.

1 Turn off the power and disconnect the power cord.

If you start changing the lamp without disconnecting the power cord, the standby indicator on the TV set flashes. Disconnect the power cord to continue changing the lamp.

2 Replace the lamp 30 minutes or more after the power is turned off to allow it to cool.

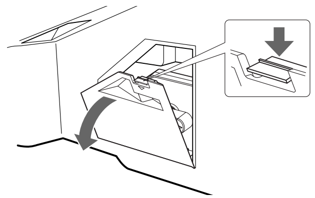
3 Take the new lamp out of the box.

Do not touch the glass portion of the new lamp.

Tips

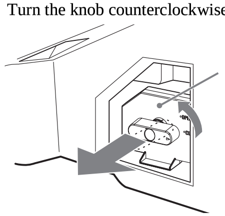
- Do not shake the lamp. Vibration can damage the lamp or shorten its life.
- Avoid touching the front glass of a new lamp or the glass of the lamp receptacle. This may reduce picture quality or lamp life.

4 Remove the outside lamp cover



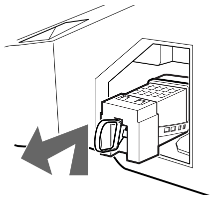
5 Remove the lamp door.

Turn the knob counterclockwise to OPEN and pull out the cover.



6 Pull out the lamp.

Hook a finger through the loop of the lamp handle and pull the handle upwards. Then pull the lamp straight out..

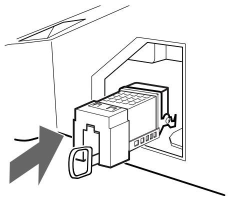


Tips

The lamp is very hot immediately after use. Never touch the glass portion of the lamp or the surrounding parts.
After the used lamp has cooled, place it into the empty box of the replacement lamp. Never put the used lamp into a plastic bag.

7 Put the new lamp into its place.

Mount the new lamp securely. Failure to do so may cause a fire or the screen to go dark.

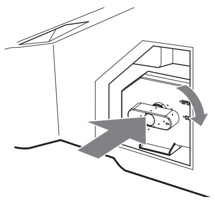


Tip

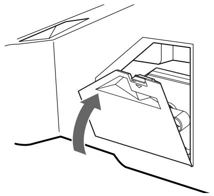
If the lamp is not securely reattached, the self-diagnostic function may be triggered and the POWER/STANDBY indicator flashes three times (see page 9).

8 Reattach the lamp door.

Turn the knob back to CLOSE and secure the cover.



9 Put the outside lamp cover back in its place.



Tips

Consult your Sony dealer for a Sony XL-2400 replacement lamp.
Take great care when replacing the lamp or plugging in/unplugging the connecting cords. Rough handling may cause the TV to fall, damaging the TV, the TV stand and the floor.

Specifications

Display Unit
Power Requirements:
220–240 V AC, 50 Hz
Screen Size:
KDF-E50A11E: 50 inches
KDF-E42A11E: 42 inches
Display Resolution (horizontal x vertical):
1280 dots x 720 lines
Power Consumption:
175 W
Standby Power Consumption:
0,8 W
Dimensions (w × h × d):
KDF-E50A11E:
Approx. 825 x 1180 x 395 mm
KDF-E42A11E:
Approx. 720 x 1000 x 350 mm
Weight:
KDF-E50A11E:
Approx. 29.6 kg
KDF-E42A11E:
Approx. 25.1 kg

Panel System
LCD (Liquid Crystal Display) Panel

TV System
Analogue: Depending on your country/region selection:
B/G/H, D/K, L, I.
Digital: DVB-T.

Colour/Video System
Analogue: PAL, SECAM.
NTSC 3.58, 4.43 (only Video In)
Digital: MPEG-2 MP@ML

Aerial
75 ohm external terminal for VHF/UHF

Channel Coverage

Analogue:	VHF:	E2–E12
	UHF:	E21–E69
	CATV:	S1–S20
	HYPER:	S21–S41
	D/K:	R1–R12, R21–R69
	L:	F2–F10, B–Q, F21–F69
	I:	UHF B21–B69
Digital:	VHF/UHF	

Terminals
AV1: 1
21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, and TV audio/video output.
AV2: 2 (SMARTLINK)
21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, selectable audio/video output, and SmartLink interface
AV3: 3
Y:1 Vp-p, 75 ohms, 0.3V negative sync
PB:0.7 Vp-p, 75 ohms
PR:0.7 Vp-p, 75 ohms
3 Audio input (phono jacks)
500 mVrms
Impedance: 47 kilo ohms
AV4: S 4S video input (4-pin mini DIN)
4 Video input (phono jack)
4 Audio input (phono jacks)
AV5: 5
PC Input (15 Dsub) (see page 36)
G: 0.7 Vp-p, 75 ohms, non Sync on Green
B: 0.7 Vp-p, 75 ohms, non Sync on Green
R: 0.7 Vp-p, 75 ohms, non Sync on Green
HD: 1-5 Vp-p
VD: 1-5 Vp-p
PC audio input: minijack.
Audio output (Left/Right) (phono jacks)
AV6: 6
HDMI: Video: 480i, 576i, 480p, 576p, 720p, 1080i
Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits.
AUDIO:500 mVrms (100% modulation)
Impedance: 47 kilohms
Headphones jack
CAM (Conditional Access Module) slot
MODEM
Modem jack (Not supported on this TV)

Sound Output
10 W +10 W (RMS)

Supplied Accessories
Remote RM-ED002 (1)
Size AA batteries (R6 type) (2)
Coaxial cable (1)

Optional Accessories
TV stand SU-RG11S (KDF-E42A11E)
TV stand SU-RG11M (KDF-E50A11E)
Lamp: XL-2400

Design and specifications are subject to change without notice.

PC Input Specifications

PC Input Timing

Input signal frequency:
Horizontal: 31,4 - 48,4 KHz.
Vertical: 59 - 61 Hz.
Maximum Resolution: 1024 dots x -768 lines.

Preset mode timing table for PC

Nº	Resolution (dots x lines)	Graphic mode	Horizontal frequency (kHz)	Vertical frequency (Hz)
1	640 x 480	VESA 60	31.469	59.940
2	800 x 600	VESA 60	37.879	60.317
3	1024 x 768	VESA 60	48.363	60.004

This TV does not support Sync on Green or Composite Sync.
If a signal other than in the above chart is input, it may not be displayed properly or may not be displayed as you set.
Using the Vertical frequency (Hz) of the personal computer at 60 is recommended.

Troubleshooting

Check whether the ⏻ (standby) indicator is flashing in red.

When it is flashing

The self-diagnosis function is activated.

1 Measure how long the ⏻ (standby) indicator flashes and stops flashing.
  For example, the indicator flashes for two seconds, stops flashing for one second, and flashes for two seconds.
2 Press ⏻ on the TV (Front side) to switch it off, disconnect the mains lead, and inform your dealer or Sony service centre of how the indicator flashes (duration and interval).

When it is not flashing

1 Check the items in the tables below.
2 If the problem still persists, have your TV serviced by qualified service personnel.

Picture

Problem	Cause/Remedy
No picture (screen is dark) and no sound	Check the aerial connection. Connect the TV to the mains, and press ⏻ on the TV (front side). If the ⏻ (standby) indicator lights up in red, press TV I/⏻.
No picture or no menu information from equipment connected to the scart connector	Check that the optional equipment is on and press ⇦/⊕ repeatedly until the correct input symbol is displayed on the screen. Check the connection between the optional equipment and the TV.
Distorted picture	When installing optional equipment, leave some space between the optional equipment and the TV. When changing programmes or selecting Text, turn off any equipment connected to the scart connector on the rear of the TV.
Double images or ghosting	Check aerial/cable connections. Check the aerial location and direction.
Only snow and noise appear on the screen	Check if the aerial is broken or bent. Check if the aerial has reached the end of its serviceable life (three to five years in normal use, one to two years at the seaside).
Picture (dotted lines or stripes) noise	Keep the TV away from electrical noise sources such as cars, motorcycles, or hair-dryers. Make sure that the aerial is connected using the supplied coaxial cable. Keep the aerial cable away from other connecting cables. Do not use a 300-ohm twin lead cable as interference may occur.
Picture noise when viewing a TV channel	Select “Manual Programme Preset” in the “Set Up” menu and adjust “AFT” (Automatic Fine Tuning) to obtain better picture reception (page 32). Select “Noise Reduction” in the “Picture Adjustment” menu to reduce the noise in the picture (page 22).
Stripe noise during playback/ recording of a VCR	Video head interference. Keep your VCR away from the TV. Leave a space of 30 cm between your VCR and the TV to avoid noise. Avoid installing your VCR in front of the TV or beside the TV.
Some tiny black points and/or bright points on the screen	The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.
No colour on programmes	Select “Reset” in the “Picture Adjustment” menu to return to the factory settings (page 22).
No colour or irregular colour when viewing a signal from the Y, PB/CB, PR/CR jacks of ⇦3	Check the connection of the Y, PB/CB, PR/CR jacks of ⇦3. Make sure that the Y, PB/CB, PR/CR jacks of ⇦3 are firmly seated in their respective sockets.

Sound

Problem	Cause/Remedy
No sound, but good picture	Press ◿ +/– or 🔇 (Mute). Check that “TV Speakers” is set to “on” in the “Features” menu (page 26).
Noisy sound	See the “Picture noise” causes/remedies on page 46.

Channels

Problem	Cause/Remedy
The desired channel cannot be selected	Switch between digital and analogue mode and select the desired digital/ analogue channel.
Some channels are blank	Scrambled/Subscription only channel. Subscribe to the Pay Per View service. Channel is used only for data (no picture or sound). Contact the broadcaster for transmission details.
Digital channel is not displayed	Check that the aerial is plugged directly into the TV (not through other equipment). Contact a local installer to find out if digital transmissions are provided in your area. Upgrade to a higher gain aerial.

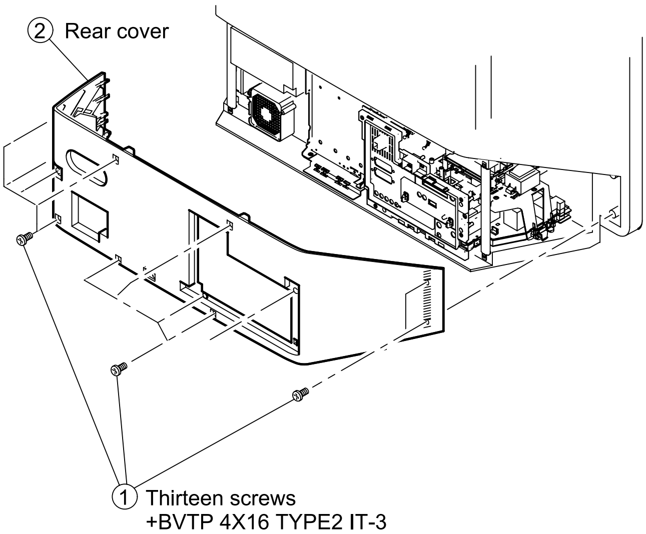
General

Problem	Cause/Remedy
The TV turns off automatically (the TV enters standby mode)	Check if the “Timer” is activated (page 28). If no signal is received or no operation is performed in the TV mode for 10 minutes, the TV automatically switches to standby mode.
The TV turns on automatically	Check if the “Timer” is activated (page 28)
Some input sources cannot be selected	Select “AV Preset” in the “Set Up” menu and cancel “Skip” of the input source (page 31).
The remote does not function	Replace the batteries.
The lamp indicator on front of the TV set is lit.	Turn the TV off. Turn the TV on again, if the lamp indicator is still lit then replace the internal lamp. For details refer to page 39 to 41.

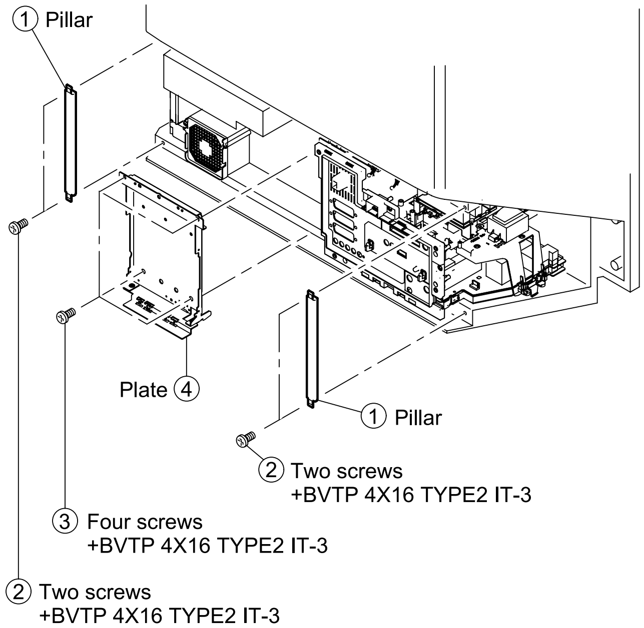
Continued

SECTION 3 DISASSEMBLY

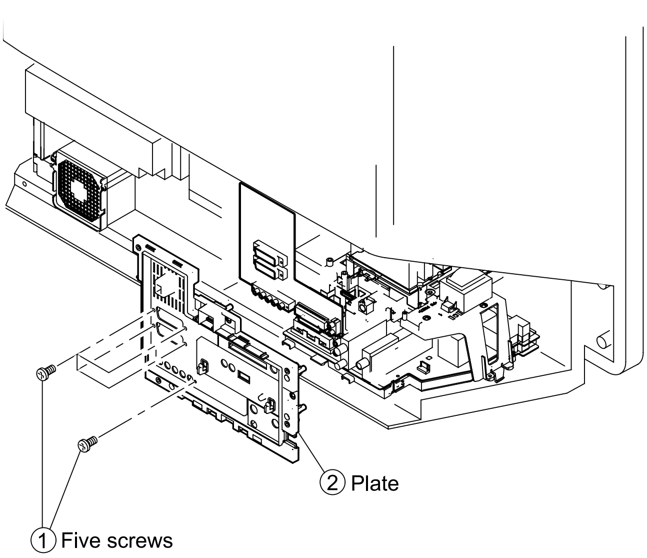
3-1. REAR COVER REMOVAL



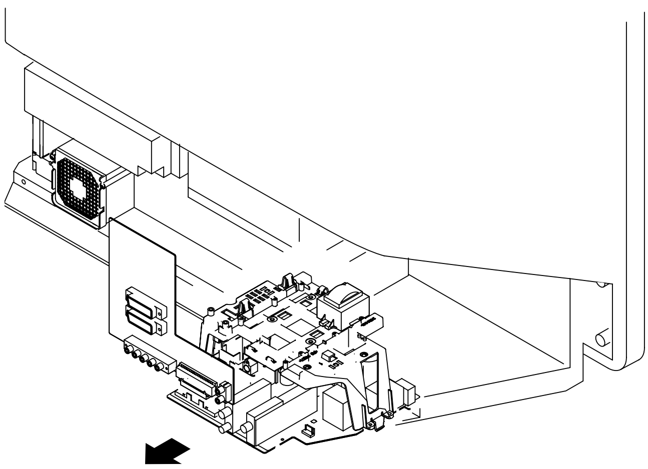
3-2. PILLAR REMOVAL



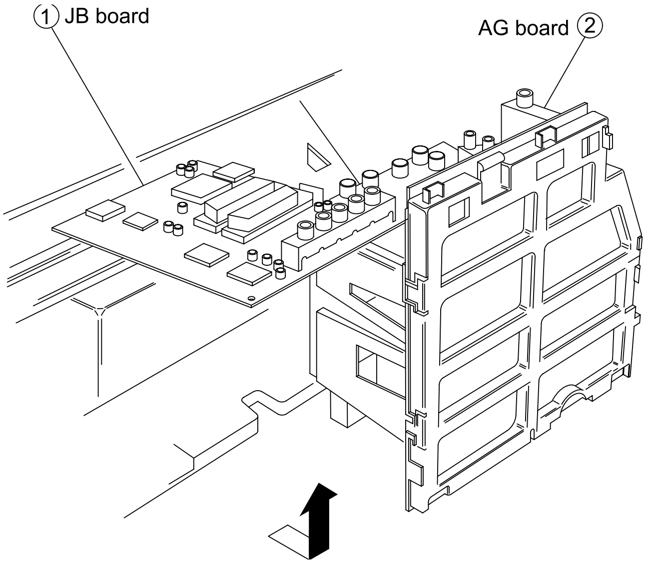
3-3. MAIN BRACKET COVER REMOVAL



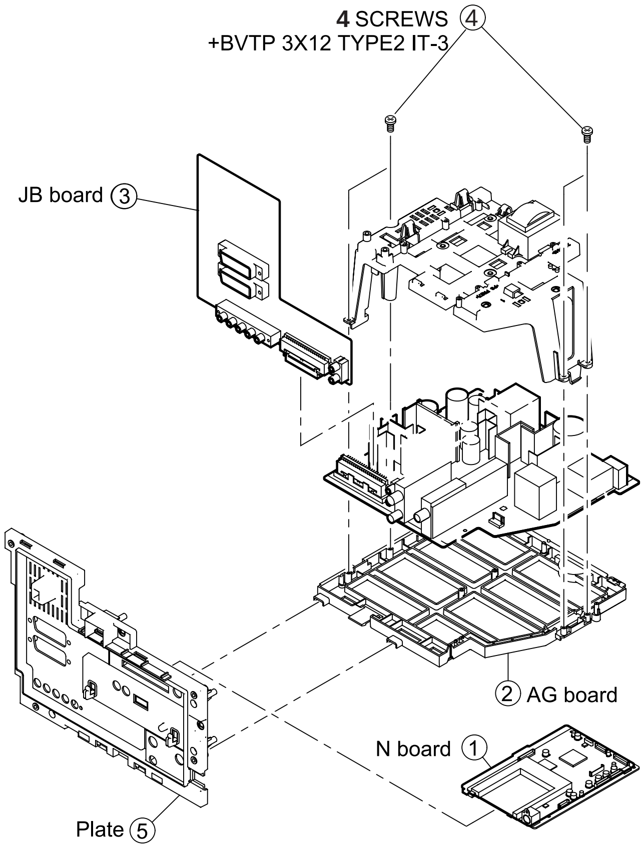
3-4. MAIN BRACKET REMOVAL



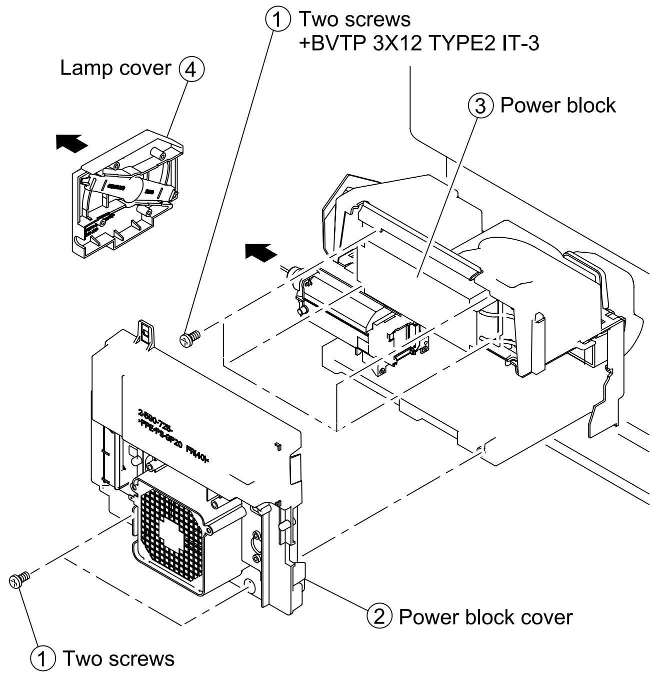
3-5. SERVICE POSITION



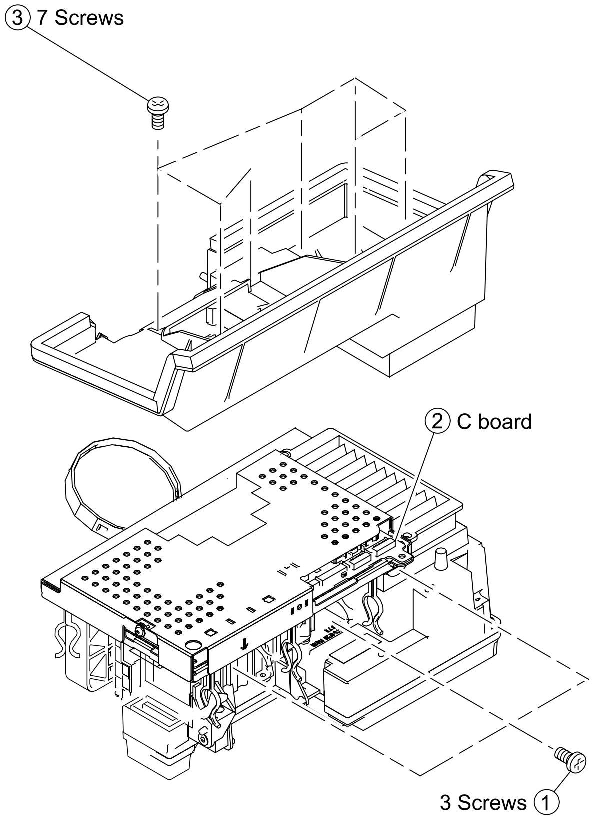
3-6. N, JB, AG BOARDS



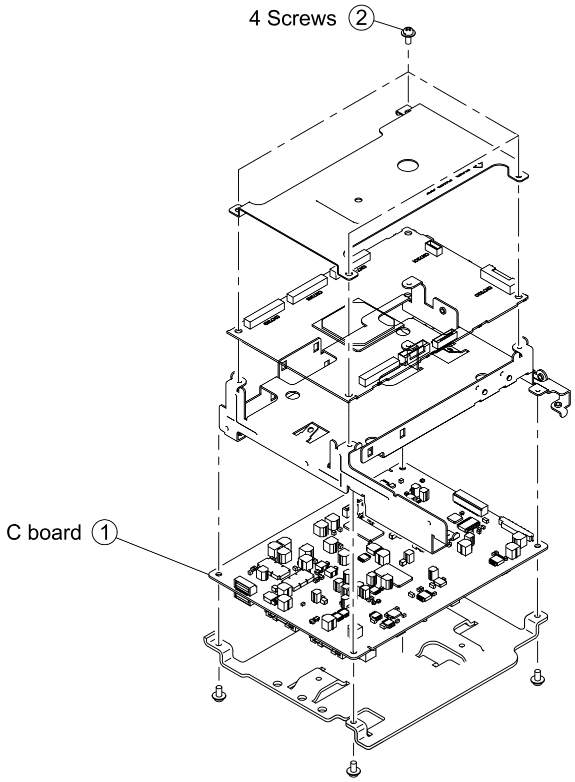
3-7. POWER BLOCK REMOVAL



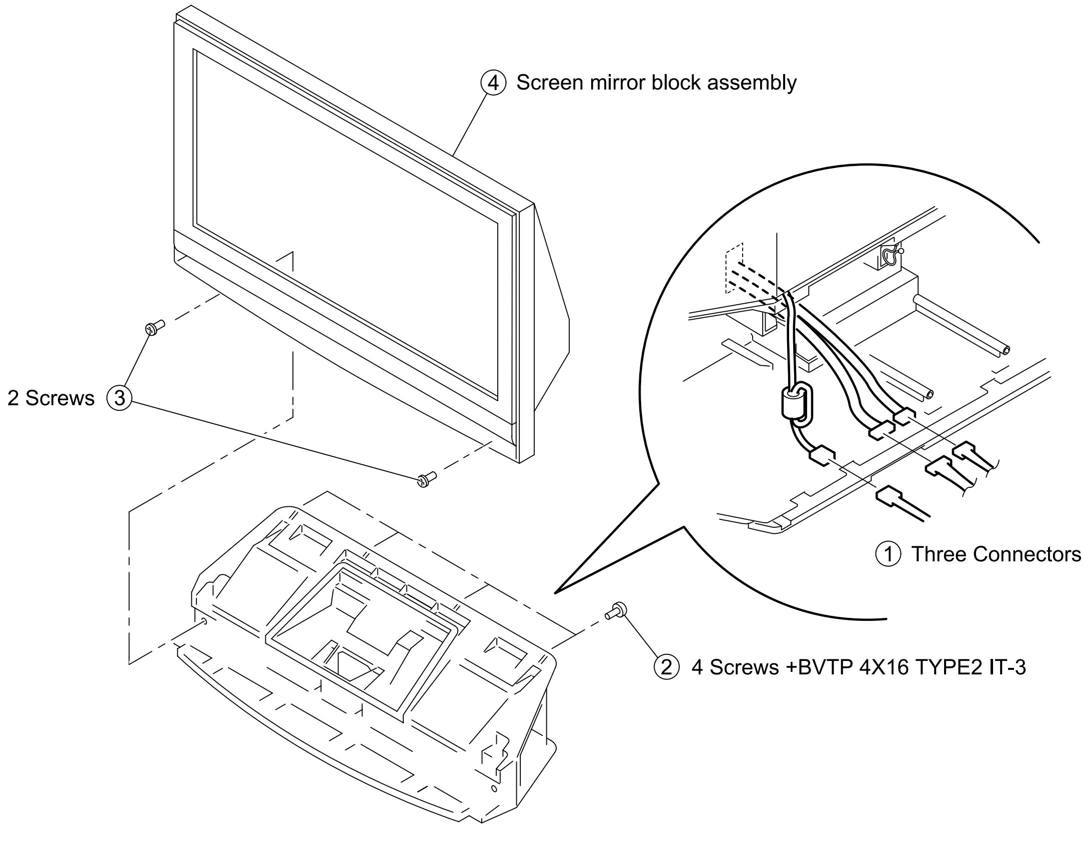
3-8. OPTICAL UNIT



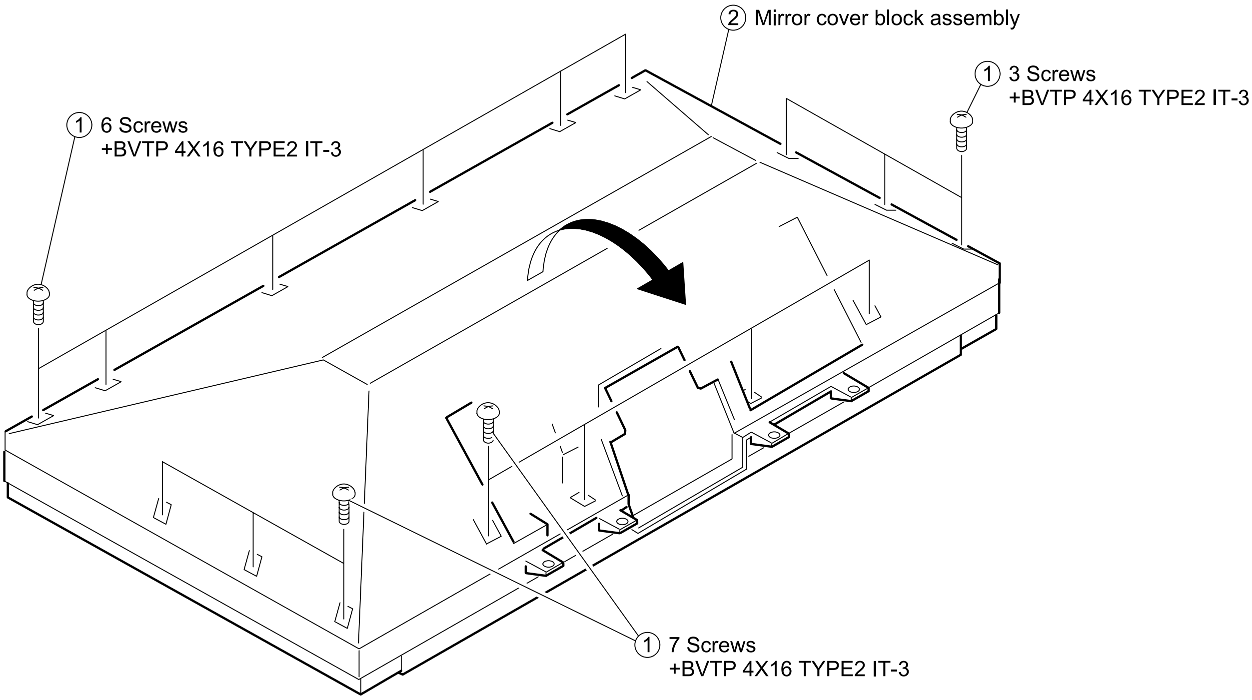
3-9. C BOARD REMOVAL



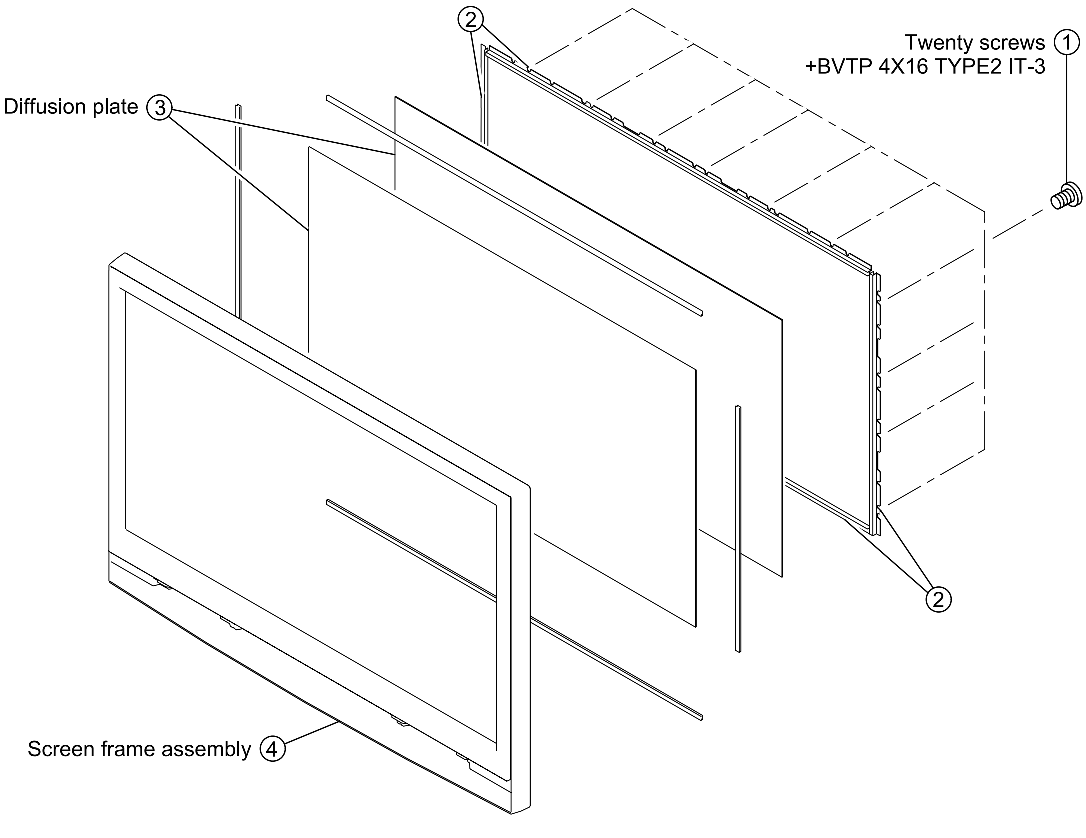
3-10. SCREEN, MIRROR BLOCK ASSEMBLY REMOVAL



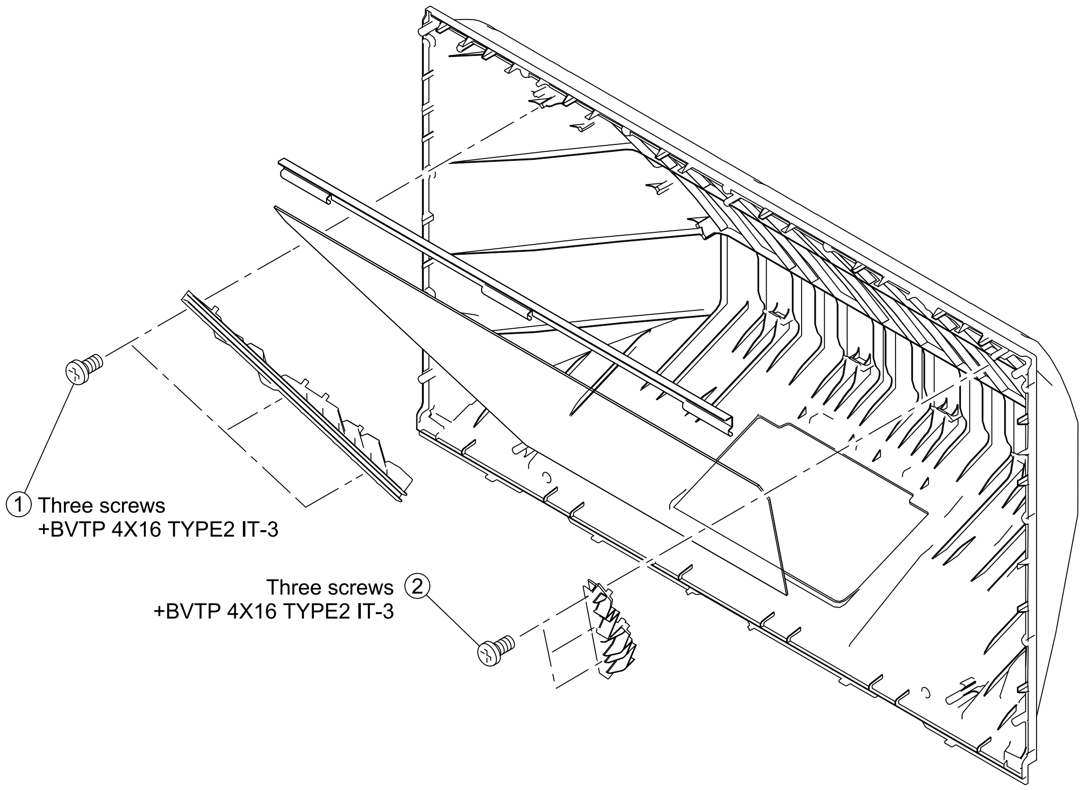
3-11. MIRROR COVER BLOCK ASSEMBLY REMOVAL



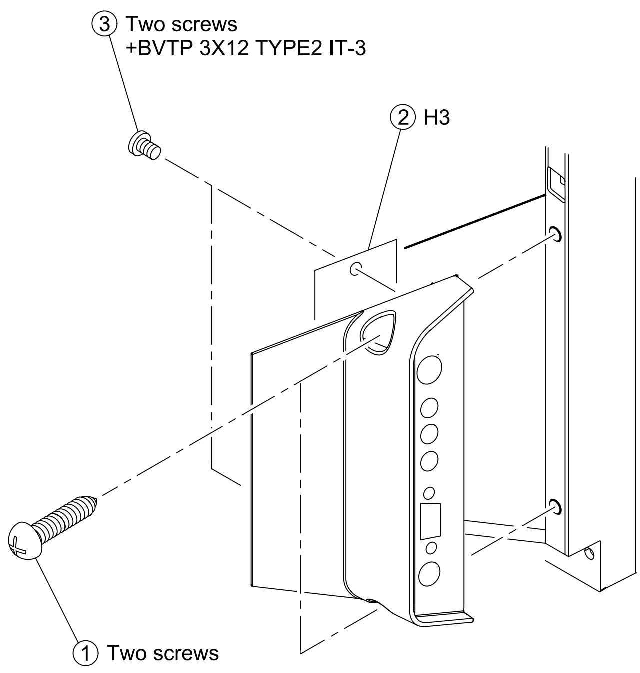
3-12. CONTRAST SCREEN, DIFFUSION PLATE REMOVAL



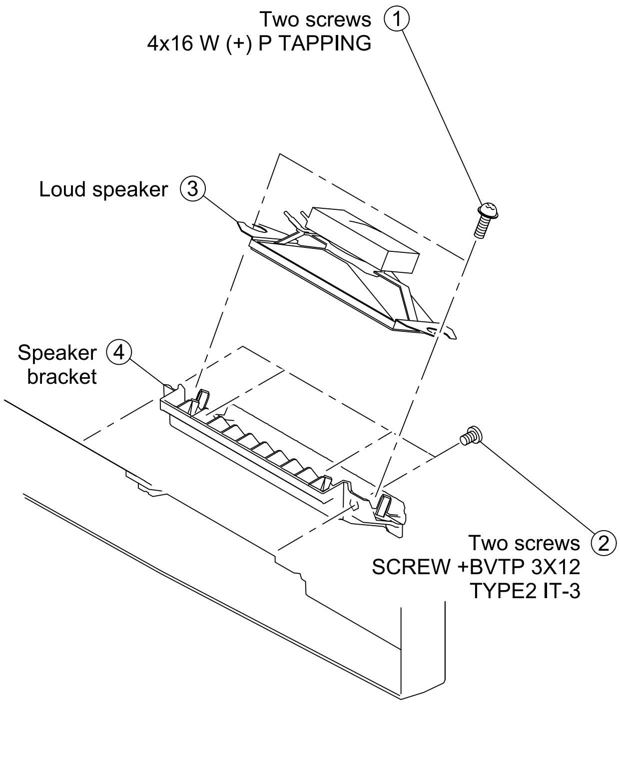
3-13. MIRROR REMOVAL



3-14. H3 REMOVAL



3-15. SPEAKER REMOVAL



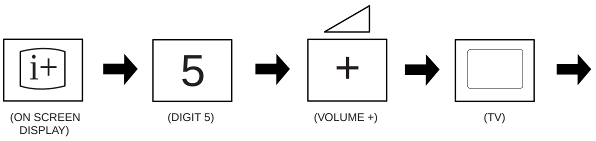
SECTION 4 SET-UP ADJUSTMENTS

4-1. Signal Adjustment

Service adjustments to this model can be performed using the supplied remote Commander RM-ED002.

How to enter into the Service Mode

1. Turn on the power to the TV set and enter into the stand-by mode.
2. Press the following sequence of buttons on the Remote Commander.



‘TT—’ will appear in the upper right corner of the screen. Other status information will also be displayed.

3. Press ‘MENU’ on the remote commander to obtain the following menu on the screen.

```
Trident SVP EX
Chroma Decoder
LCD Drives
Digital Gamma
Lamp Menu
Sound
IF Adjust
AV Switch
Service Menu (White Balance)
Error menu

LE4B  v0.12B          NVM v255
Factory data: 11111111
Working Time: 13:32
```

4. Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
5. Press the right arrow button to enter into the required menu item.
6. Press the ‘Menu’ button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the ‘Service Menu’ switch the TV set OFF and then ON.

4-1-1. PAL auto adjustment (CVBS)

1. Select AV1 and input PAL signal. (PAL CVBS: CB 75%Y/75%C from signal generator).
2. Set the TV in Service Mode (See above) and send “TT51” command.

4-1-2. PAL auto adjustment (RGB)

1. Select AV1 and input RGB signal. (PAL RGB: CB 100%Y/100%C from signal generator).
2. Set the TV in Service Mode (See above) and send “TT52” command.

4-1-3. SECAM auto adjustment (CVBS)

1. Select AV1 and input SECAM signal. (SECAM CVBS: CB 75%Y/75%C from signal generator).
2. Set the TV in Service Mode (See above) and send “TT53” command.

Note :

- While Auto adjustment is in process the RED LED is ON, till it finishes.

4-2. White Balance Adjustment

4-2-1. White Balance adjustment (H/L)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending “TT54”.

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input PAL CVBS 60 IRE Full Field Signal to AV1.
4. Adjust Highlight registers:

NORMAL_PAL_RD (R Drive)
NORMAL_PAL_BD (B Drive)

High light adjustment value (9300K-0MPCD)

4-2-2. White Balance adjustment (C/O)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending "TT54".

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input PAL CVBS 20 IRE Full Field Signal to AV1.
4. Adjust CutOff registers:

   NORMAL_PAL_RC (R cutoff)
   NORMAL_PAL_BC (B cutoff)

   Low light (Cut Off) adjustment value (9300K-0MPCD)

4-2-3. SECAM White Balance adjustment (H/L)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending "TT54".

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input SECAM CVBS 60 IRE Full Field Signal to AV1.
4. Adjust Drive registers:

   SECAM_OFFSET_RD (R Drive)
   SECAM_OFFSET_BD (B Drive)

   High light adjustment value (9300K-0MPCD)

4-2-4. SECAM White Balance adjustment (C/O)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending “TT54”.

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input SECAM CVBS 20 IRE Full Field Signal to AV1.
4. Adjust CutOff registers:

SECAM_OFFSET_RC (R cutoff)
SECAM_OFFSET_BC (B cutoff)

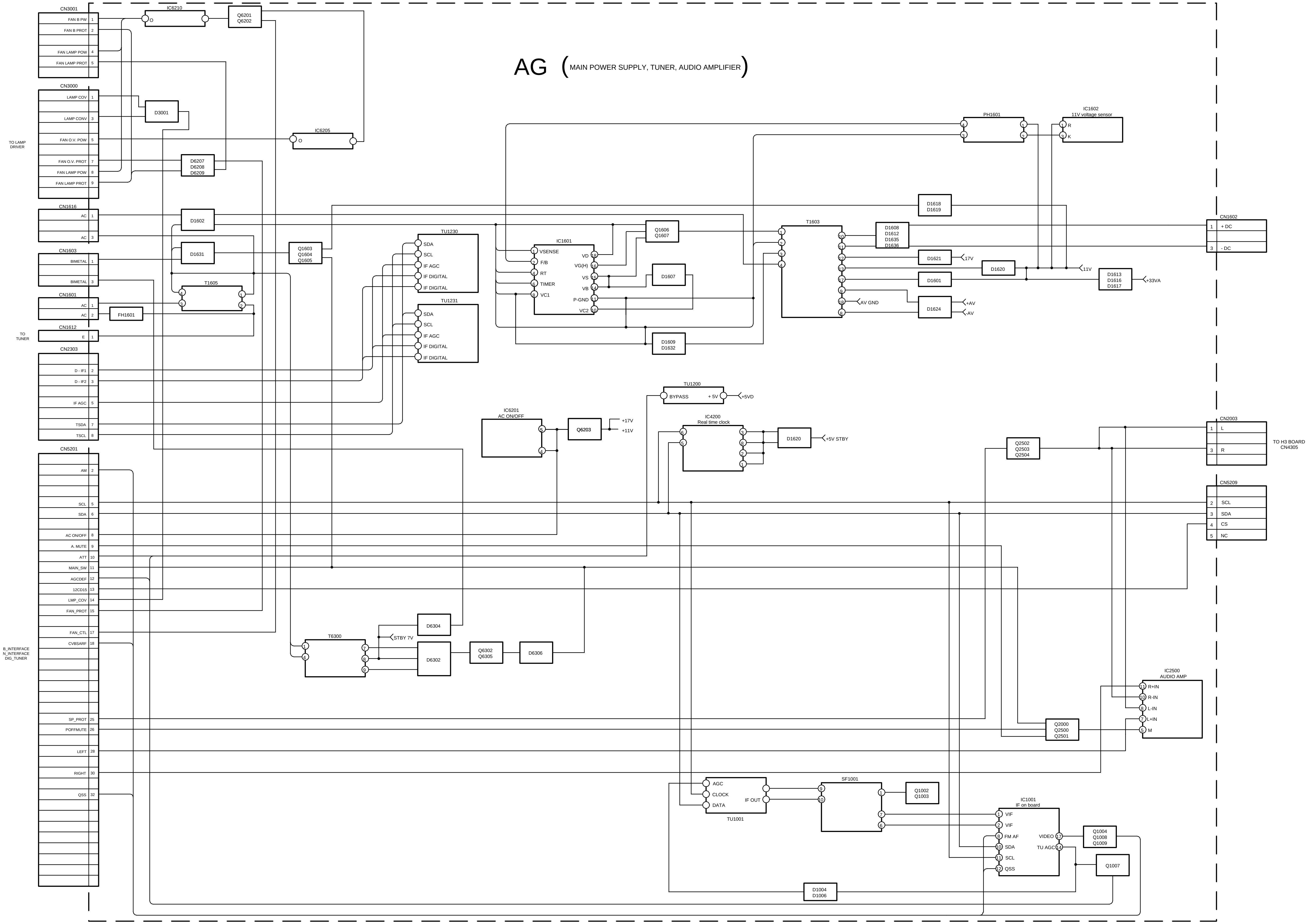
Low light (Cut Off) adjustment value (9300K-0MPCD)

4-3. TEST TEST MODE

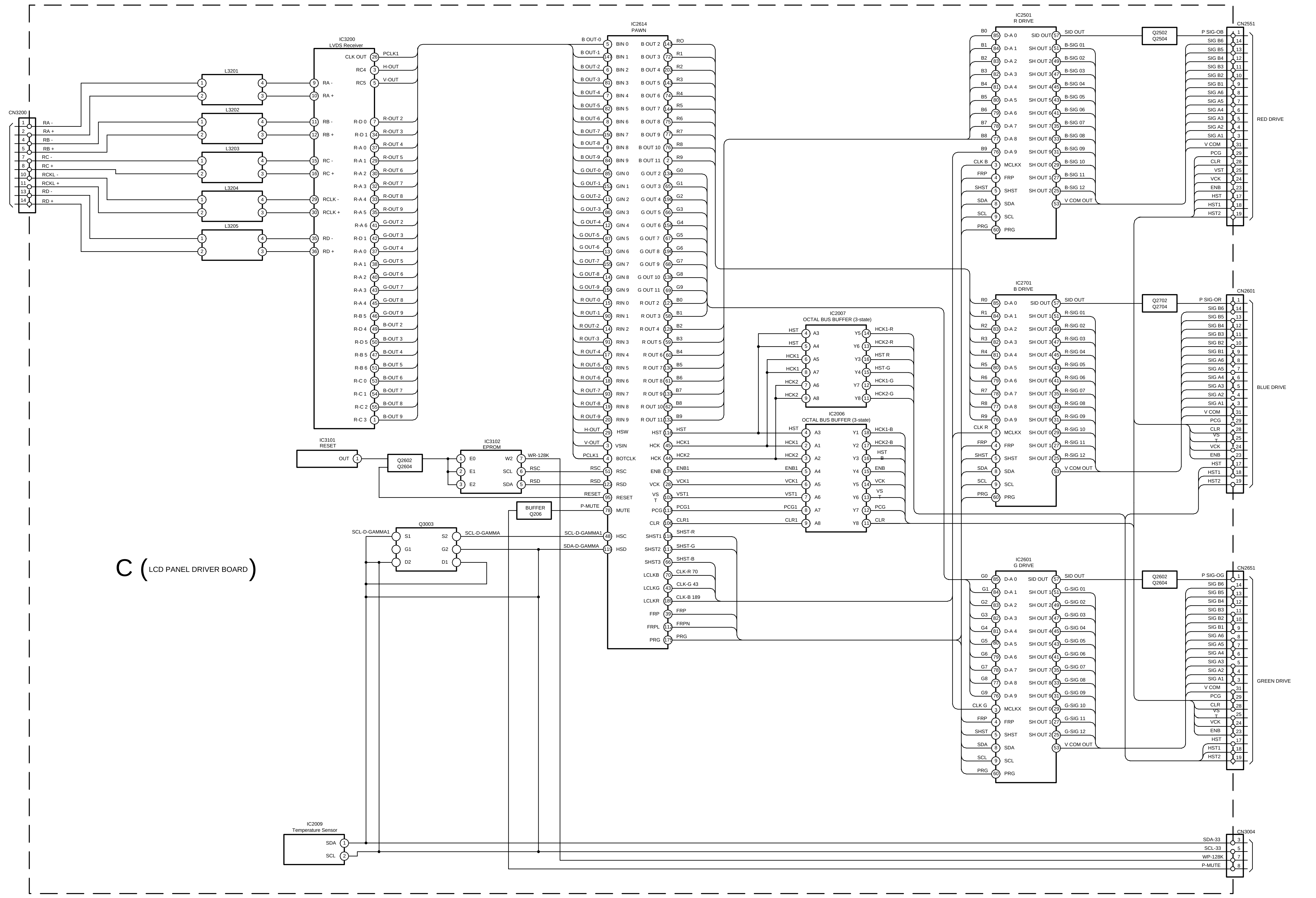
Test Test Mode is available in Service Mode, OSD ‘TT’ appears. The functions described below are available by selecting the two numbers. To release ‘Test Test mode’, press 00 or switch the TV set into Stand-by mode.

00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Set Volume to 35%
04	Set Volume to 50%
05	Set Volume to 65%
06	Set Volume to 80%
07	Ageing mode
08	Shipping Condition
16	Picture level 50%
19	Factory Mode toggle (on/off)
24	U Destination
25	AEP Destination
27	CBA mode toggle (ON/OFF)
31	ECS mode toggle (ON/OFF)
32	Set BCN channels preset
33	FILMODE toggle (ON/OFF)
34	Set INY channels preset
41	Re-initialise NVM
43	Select Dual Sound A
44	Select Dual Sound B
45	Select Dual Sound Mono
46	Select Dual Sound Stereo
48	Set NVM as non-virgin
49	Set NVM as virgin
51	PAL Auto adjustment
52	RGB Auto adjustment
53	SECAM Auto adjustment
54	WB Init conditions
55	Watchdog toggle
56	Reset all channel attenuations
62	Toggle Digital mode flag
63	AM from baseband (AFRIC)
64	set 40" settings
67	MSP Auto Carrier Mute function enable/disable
71	Set 19" settings
72	Set 23" settings
73	Set 26" settings
74	Set 32" settings
75	Balance to center position
76	Volume maximum
77	Volume minimum
78	Balance full left
79	Balance full right
81	Digital BER display
82	Digital Service menu
83	Digital colour bar output from DENC
84	TS CI path through
85	Digital tuner power down
86	Switch between two digital SW banks
87	Local keys test
88	Digital shipping conditions
89	LED test
93	I2S / analogue audio used for Digital sound
96	Digital Debug ouput: Enable / Disable
97	Digital 656 output Enable / Disable
98	Digital Auto Reset function Enable / Disable
99	Display Error and Working Time menu

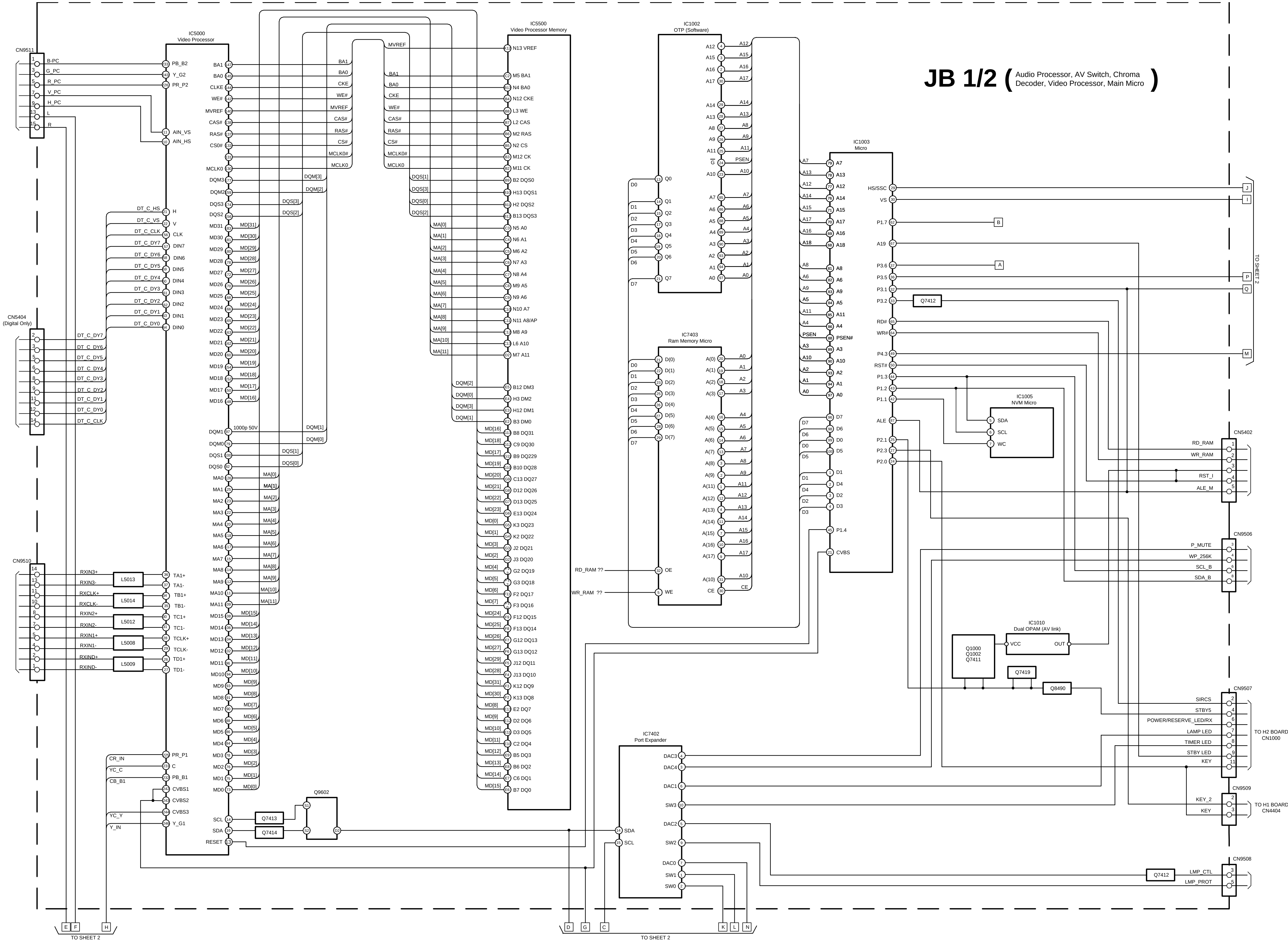
5-1. BLOCK DIAGRAMS (1)

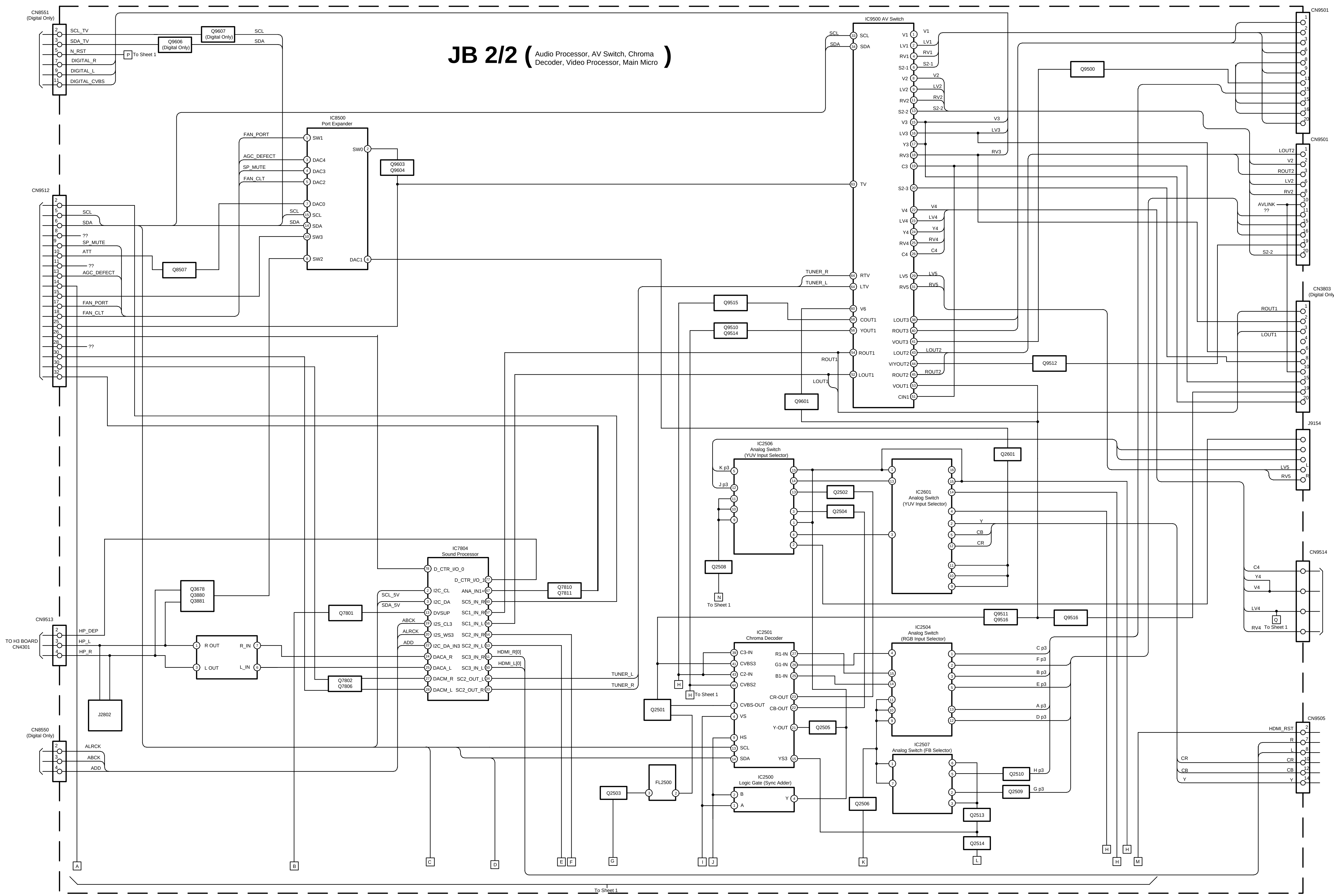


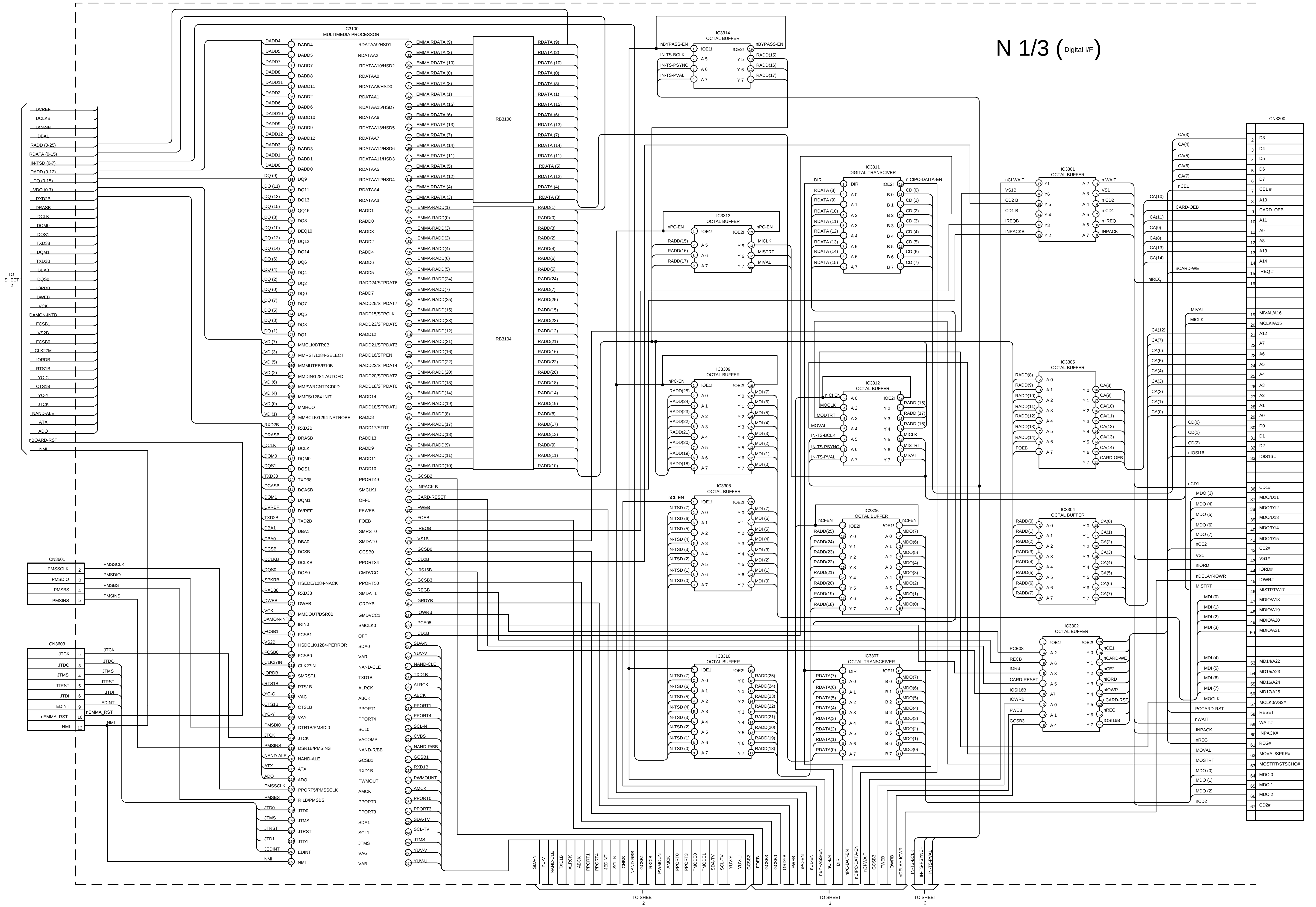
5-1. BLOCK DIAGRAMS (2)



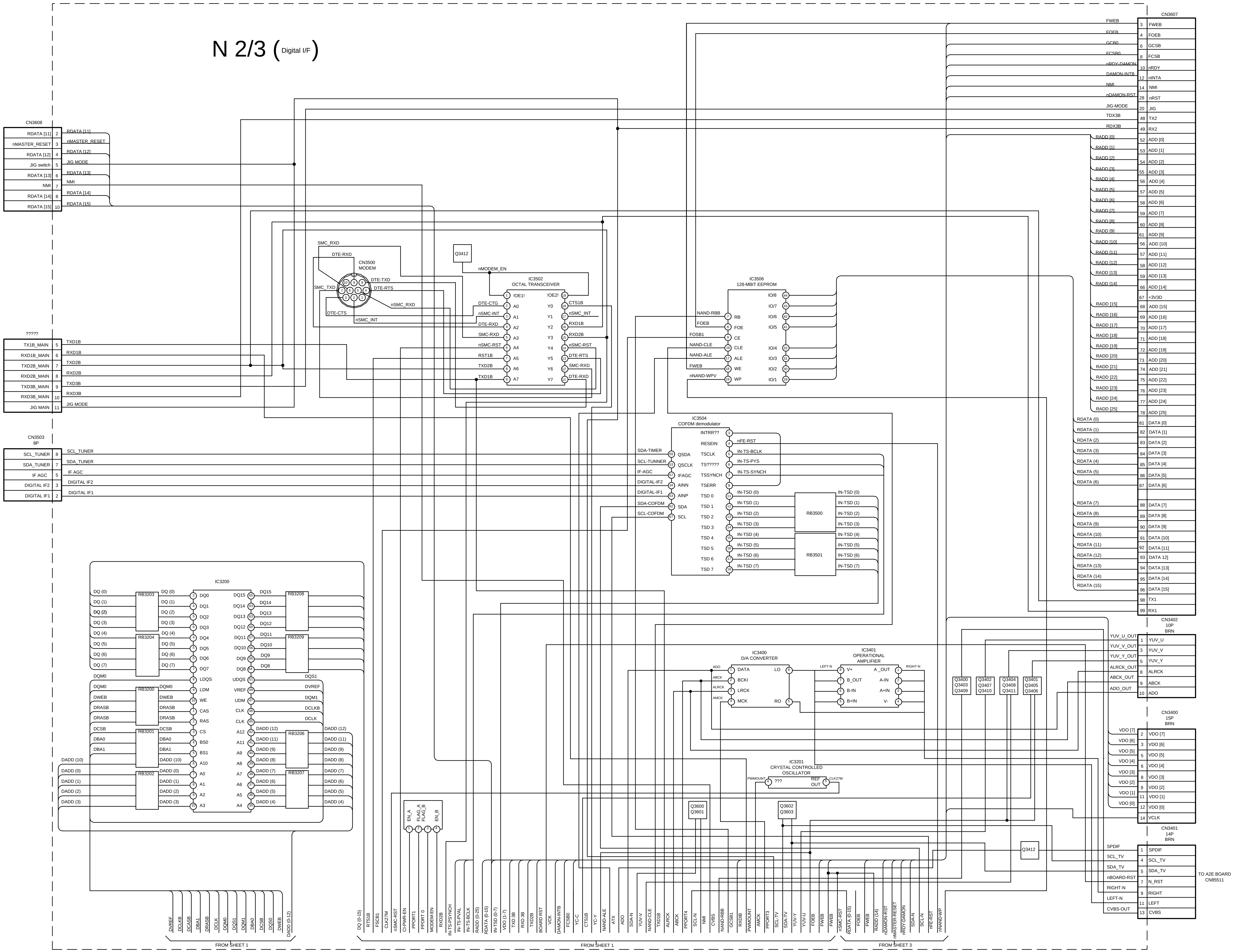
5-1. BLOCK DIAGRAMS (3)

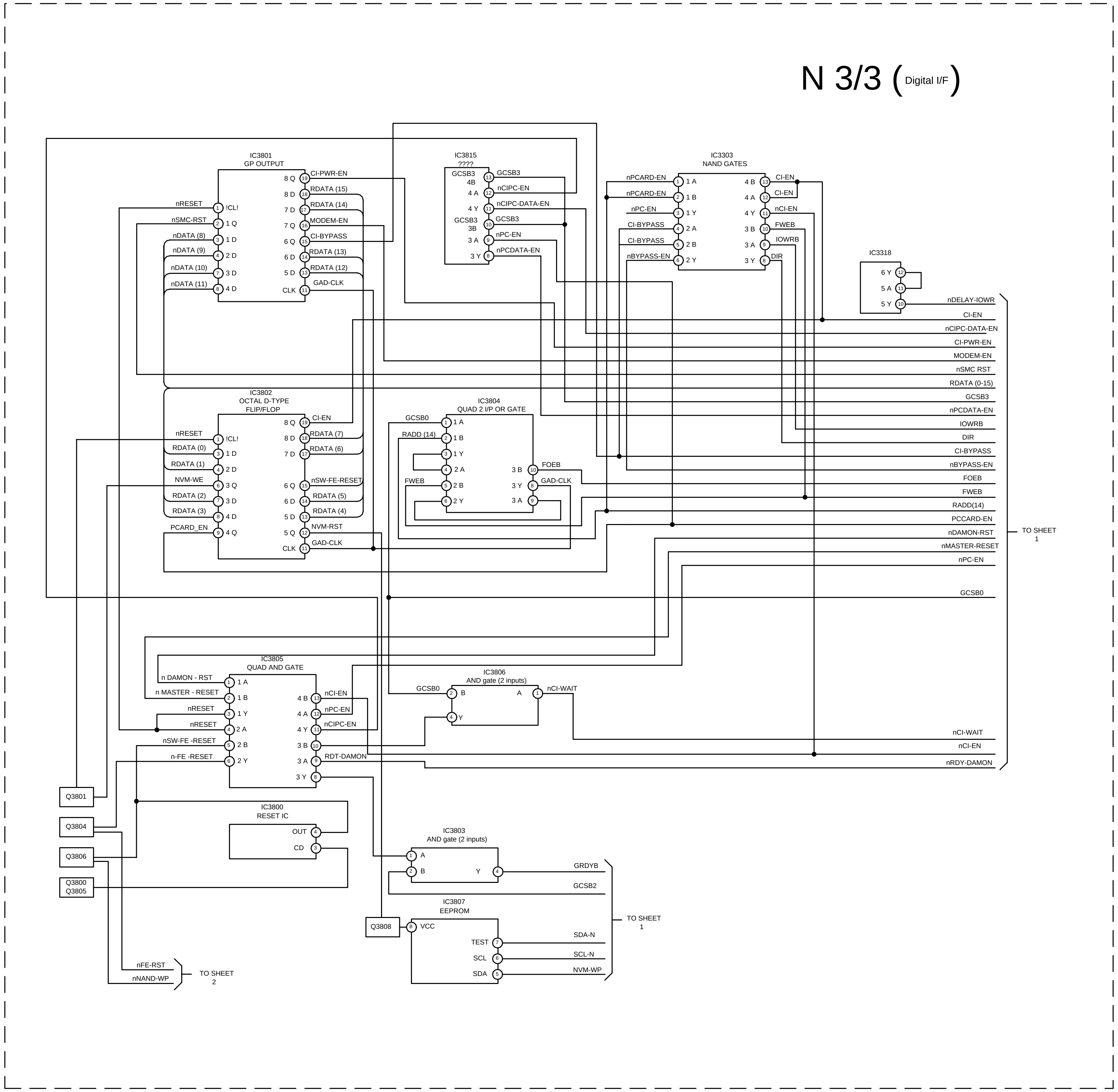



JB 2/2 (Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro)
CN8551 (Digital Only)
SCL_TV
SDA_TV
N_RST
DIGITAL_R
DIGITAL_L
DIGITAL_CVBS
Q9607 (Digital Only)
Q9606 (Digital Only)
P To Sheet 1
IC9500 AV Switch
IC8500 Port Expander
FAN_PORT
AGC_DEFECT
SP_MUTE
FAN_CLT
Q9603 Q9604
CN9512
Q8507
CN9501
Q9500
CN3803 (Digital Only)
Q9515
Q9510 Q9514
Q9512
Q9601
TUNER_R
TUNER_L
J9154
IC2506 Analog Switch (YUV Input Selector)
IC2601 Analog Switch (YUV Input Selector)
Q2601
Q2502
Q2504
Q2508
N To Sheet 1
IC7804 Sound Processor
Q3678 Q3880 Q3881
Q7810 Q7811
Q7801
Q7802 Q7806
CN9513
TO H3 BOARD CN4301
HP_DEP
HP_L
HP_R
J2802
CN8550 (Digital Only)
ALRCK
ABCK
ADD
HDMI_R[0]
HDMI_L[0]
Q9511 Q9516
Q9516
CN9514
Q To Sheet 1
IC2501 Chroma Decoder
IC2504 Analog Switch (RGB Input Selector)
Q2501
Q2505
H To Sheet 1
IC2500 Logic Gate (Sync Adder)
FL2500
Q2503
Q2506
IC2507 Analog Switch (FB Selector)
Q2510
Q2509
Q2513
Q2514
CN9505
HDMI_RST
To Sheet 1

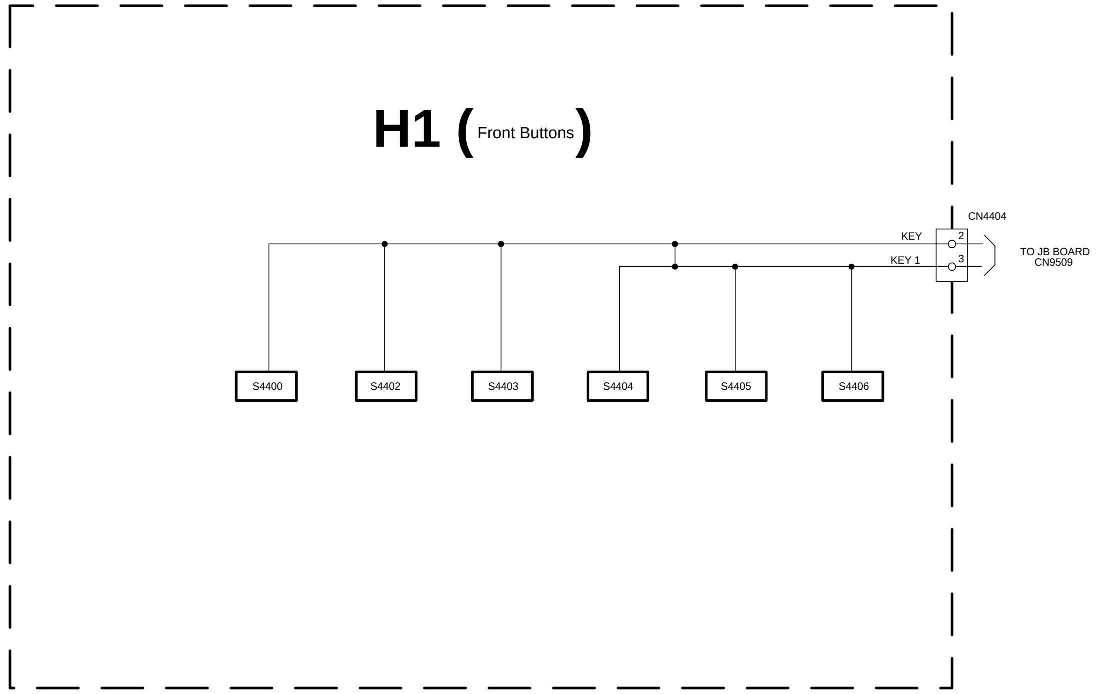

N 1/3 (Digital I/F)
IC3100
MULTIMEDIA PROCESSOR
RB3100
RB3104
IC3314
OCTAL BUFFER
IC3313
OCTAL BUFFER
IC3311
DIGITAL TRANSCIVER
IC3301
OCTAL BUFFER
IC3309
OCTAL BUFFER
IC3312
OCTAL BUFFER
IC3305
OCTAL BUFFER
IC3308
OCTAL BUFFER
IC3306
OCTAL BUFFER
IC3304
OCTAL BUFFER
IC3302
OCTAL BUFFER
IC3310
OCTAL BUFFER
IC3307
OCTAL TRANSCEIVER
CN3200
CN3601
CN3603
TO SHEET 2
TO SHEET 3

5-1. BLOCK DIAGRAMS (6)

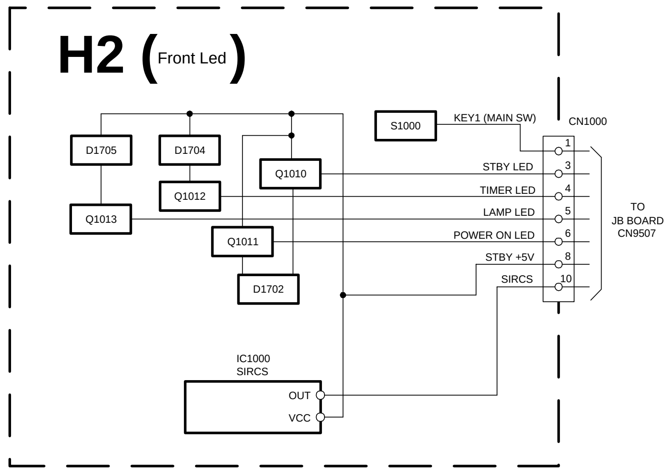




N 3/3 (Digital I/F)
IC3801 GP OUTPUT
nRESET
nSMC-RST
nDATA (8)
nDATA (9)
nDATA (10)
nDATA (11)
CI-PWR-EN
RDATA (15)
RDATA (14)
MODEM-EN
CI-BYPASS
RDATA (13)
RDATA (12)
GAD-CLK
IC3815 ????
GCSB3
nCIPC-EN
nCIPC-DATA-EN
nPC-EN
nPCDATA-EN
IC3303 NAND GATES
nPCARD-EN
nPC-EN
CI-BYPASS
nBYPASS-EN
CI-EN
nCI-EN
FWEB
IOWRB
DIR
IC3318
IC3802 OCTAL D-TYPE FLIP/FLOP
RDATA (0)
RDATA (1)
NVM-WE
RDATA (2)
RDATA (3)
PCARD_EN
RDATA (7)
RDATA (6)
nSW-FE-RESET
RDATA (5)
RDATA (4)
NVM-RST
IC3804 QUAD 2 I/P OR GATE
GCSB0
RADD (14)
FWEB
FOEB
nDELAY-IOWR
CI-EN
nCIPC-DATA-EN
CI-PWR-EN
MODEM-EN
nSMC RST
RDATA (0-15)
GCSB3
nPCDATA-EN
IOWRB
DIR
CI-BYPASS
nBYPASS-EN
FOEB
FWEB
RADD(14)
PCCARD-EN
nDAMON-RST
nMASTER-RESET
nPC-EN
GCSB0
TO SHEET 1
IC3805 QUAD AND GATE
n DAMON - RST
n MASTER - RESET
nSW-FE -RESET
n-FE -RESET
nCI-EN
nPC-EN
nCIPC-EN
RDT-DAMON
IC3806 AND gate (2 inputs)
nCI-WAIT
nCI-WAIT
nCI-EN
nRDY-DAMON
Q3801
Q3804
Q3806
Q3800 Q3805
IC3800 RESET IC
OUT
CD
IC3803 AND gate (2 inputs)
GRDYB
GCSB2
IC3807 EEPROM
Q3808
VCC
TEST
SCL
SDA
SDA-N
SCL-N
NVM-WP
TO SHEET 1
nFE-RST
nNAND-WP
TO SHEET 2

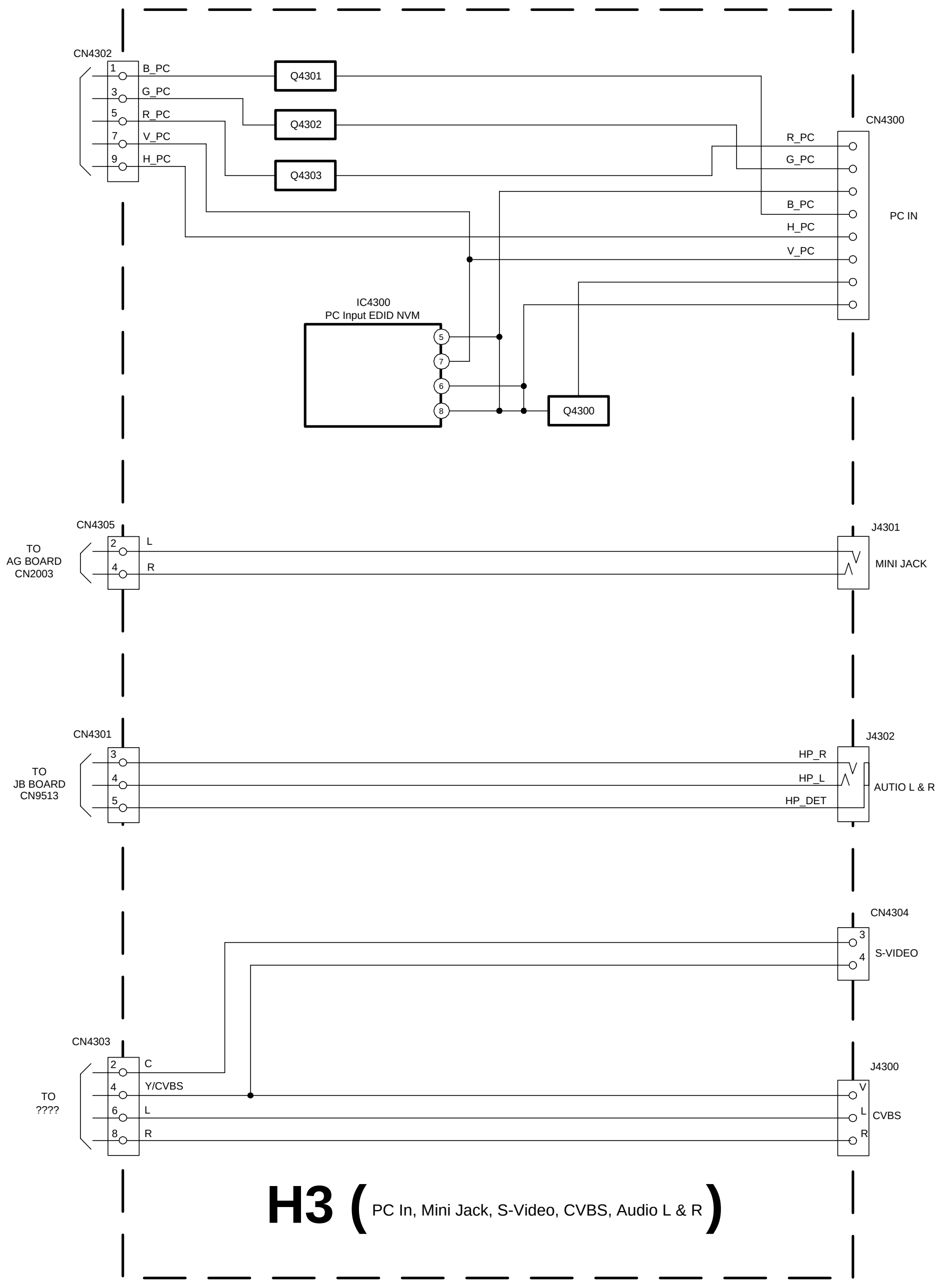


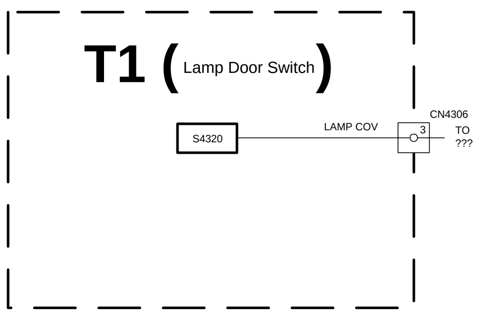
H1 (Front Buttons)
CN4404
KEY
KEY 1
TO JB BOARD CN9509
S4400
S4402
S4403
S4404
S4405
S4406

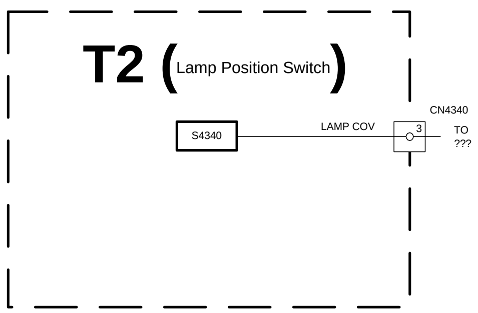


H2 (Front Led)
D1705
D1704
Q1012
Q1010
Q1013
Q1011
D1702
S1000
KEY1 (MAIN SW)
CN1000
STBY LED
TIMER LED
LAMP LED
POWER ON LED
STBY +5V
SIRCS
TO JB BOARD CN9507
IC1000 SIRCS
OUT
VCC

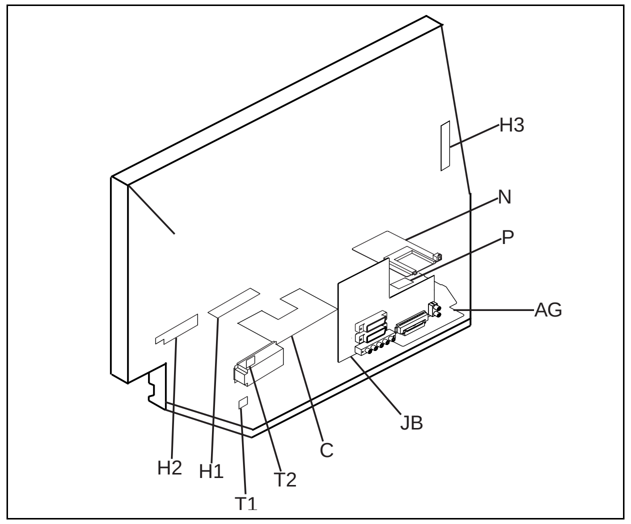
5-1. BLOCK DIAGRAMS (8)







5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Electrical power rating : 1/4W

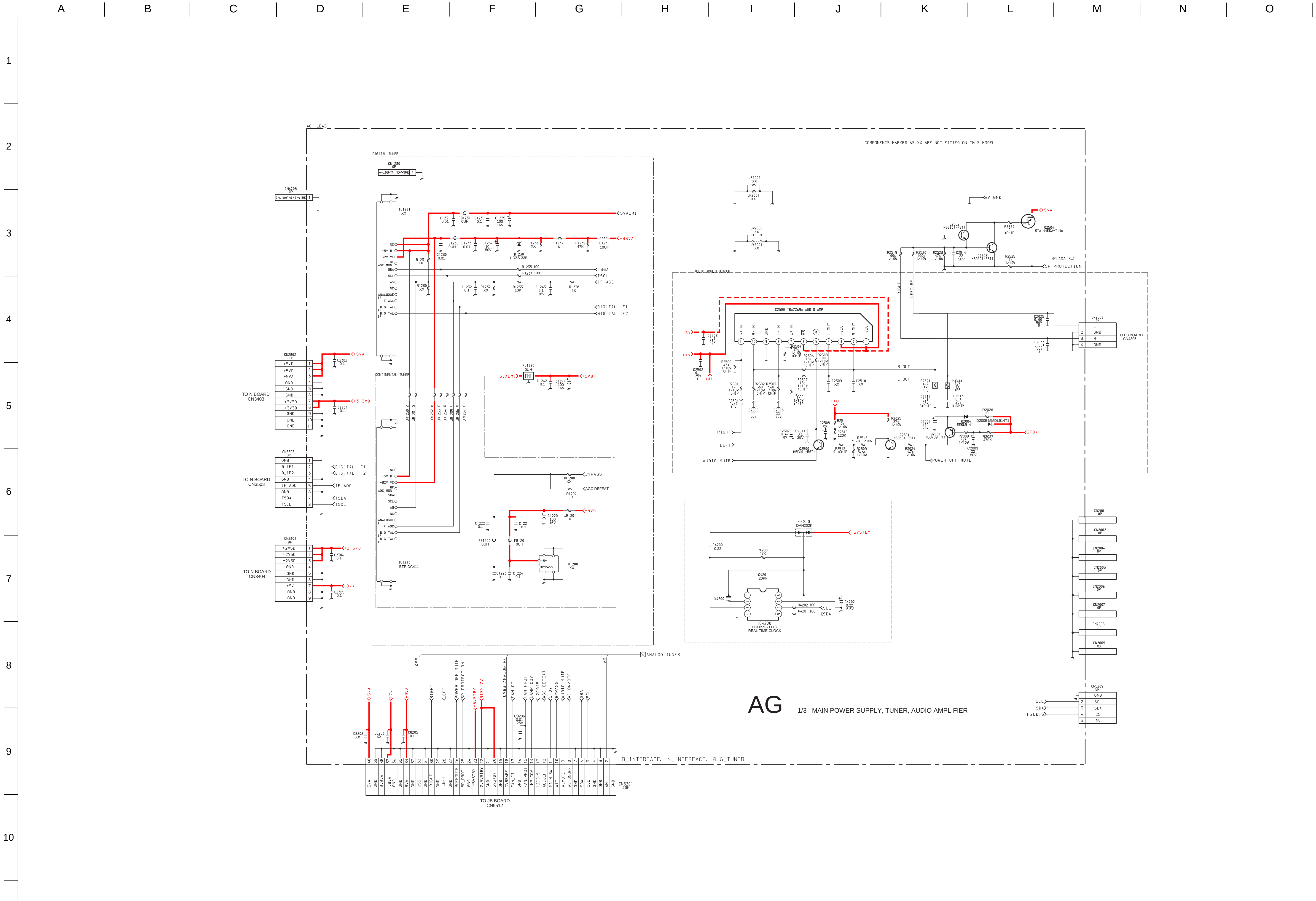
- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- : B + bus.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

Reference Information

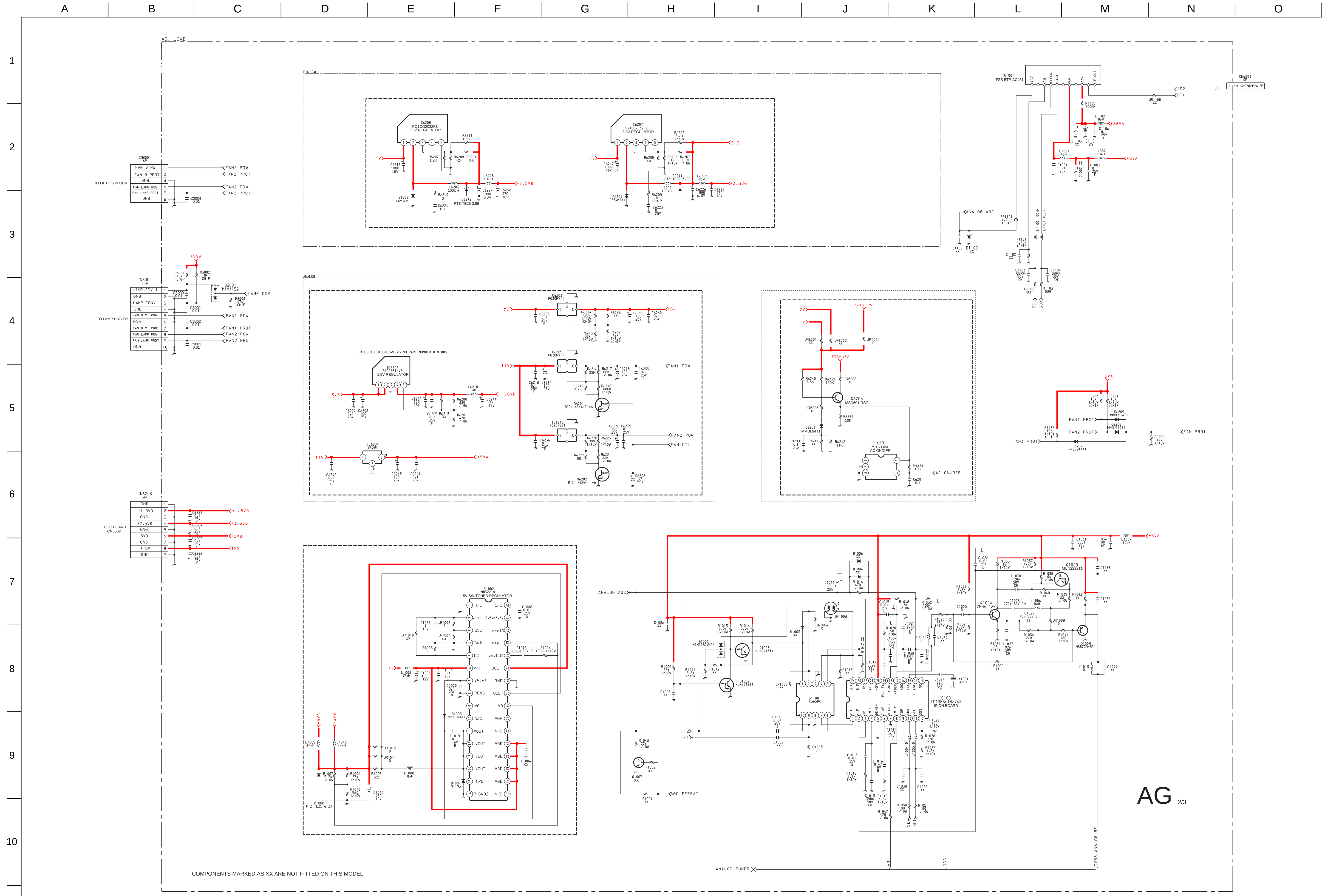
RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

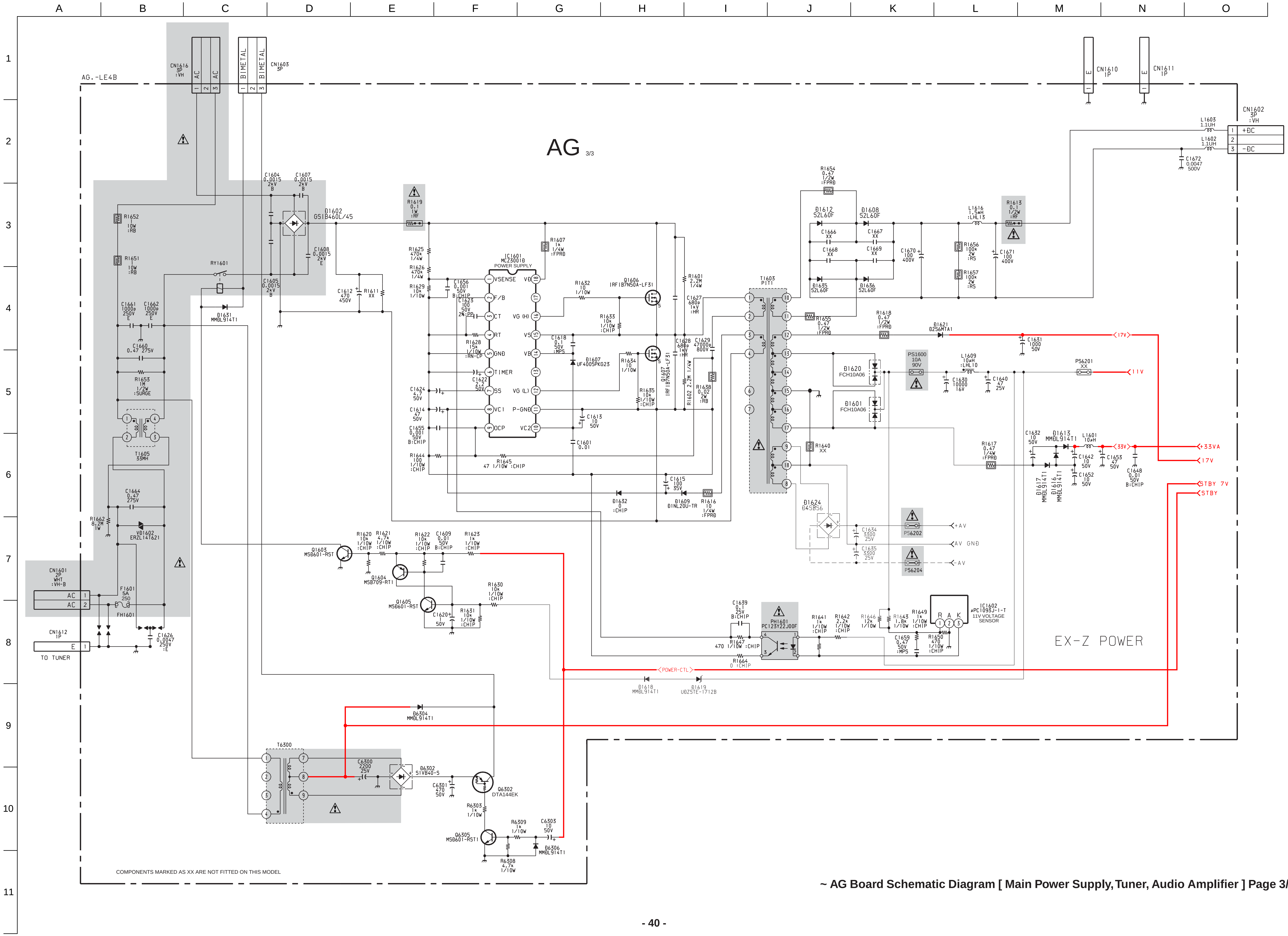
Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.



~ AG Board Schematic Diagram [Main Power Supply, Tuner, Audio Amplifier] Page 1/3 ~

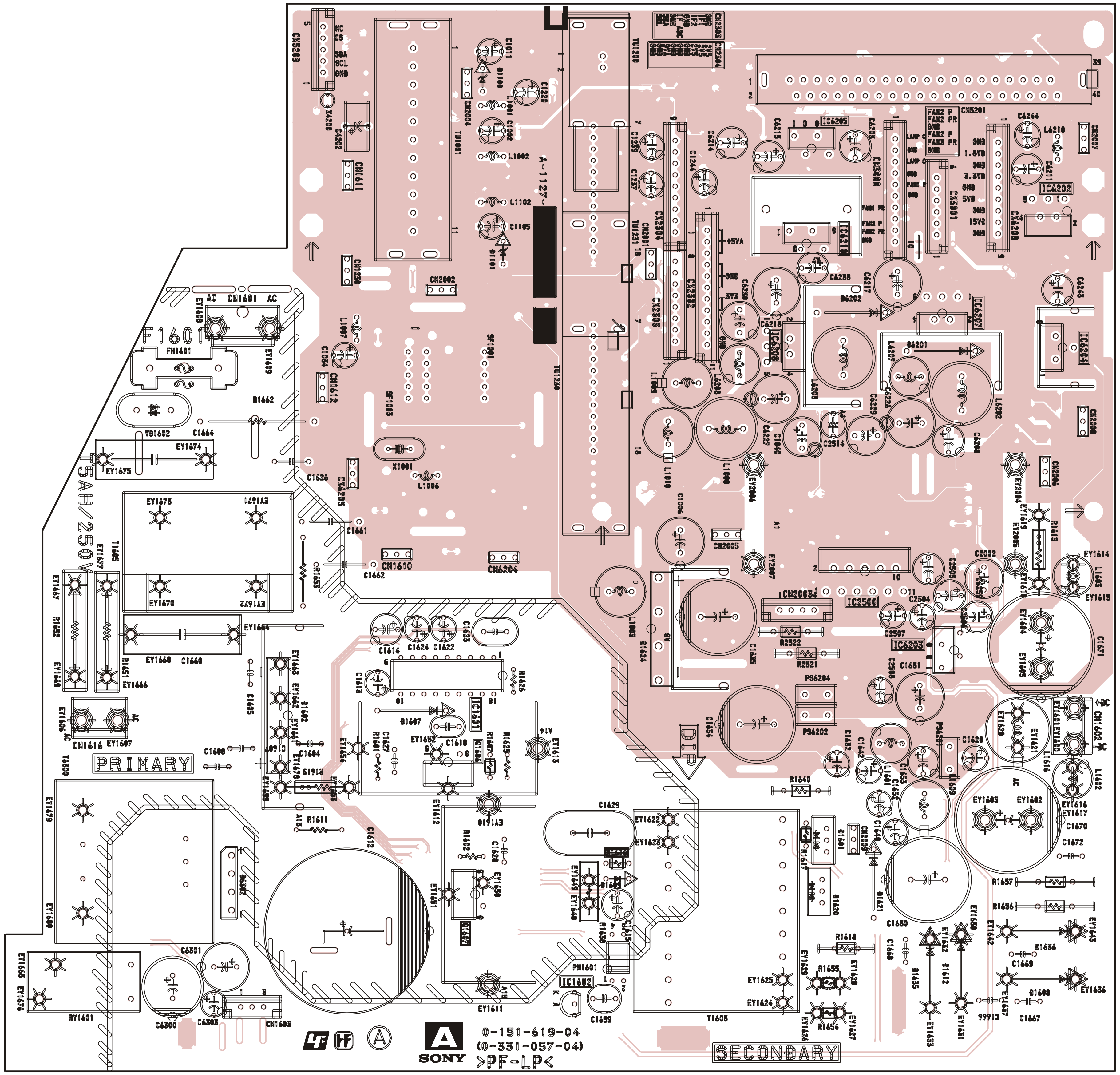


~ AG Board Schematic Diagram [Main Power Supply, Tuner, Audio Amplifier] Page 2/3 ~

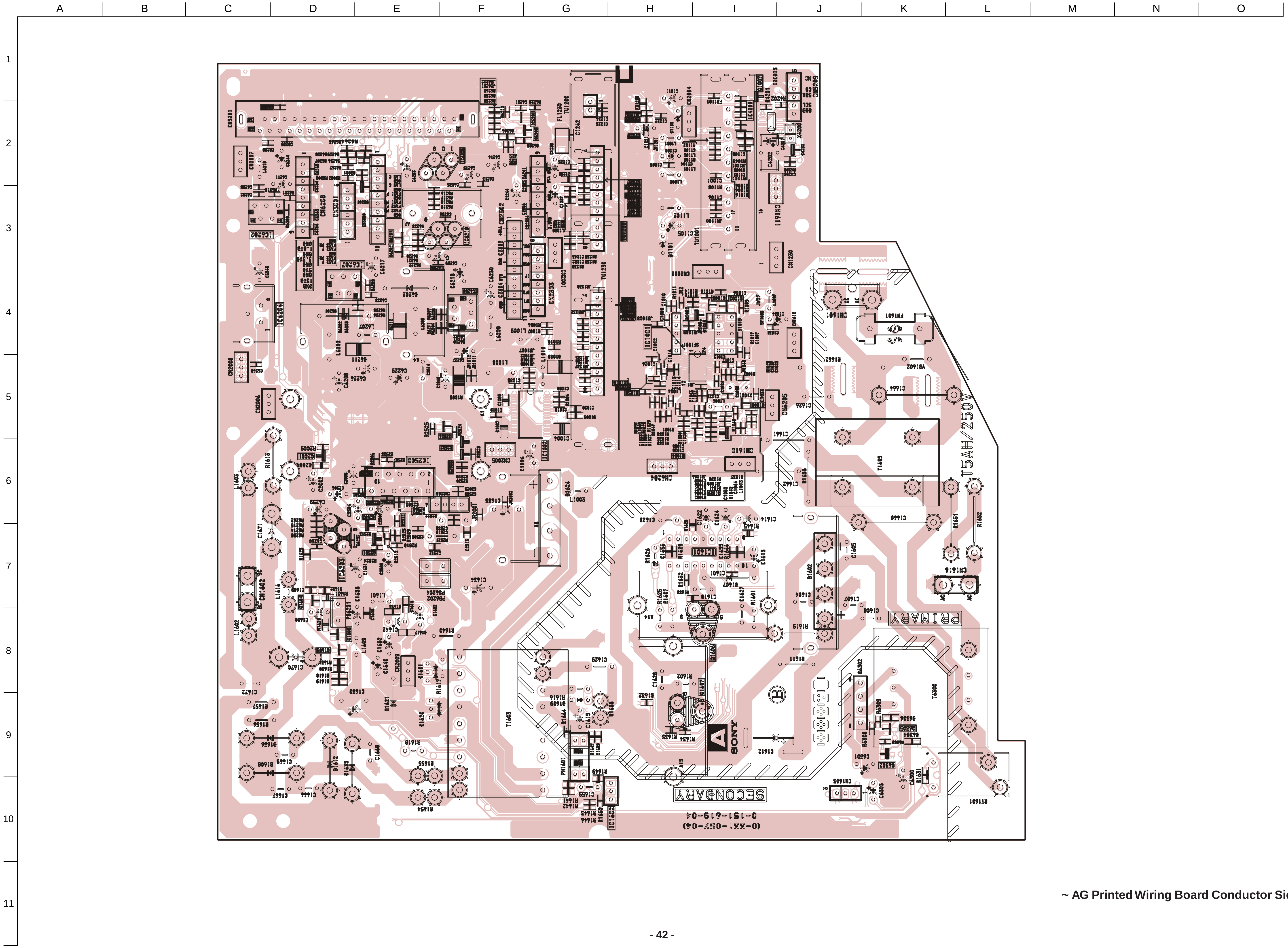


COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

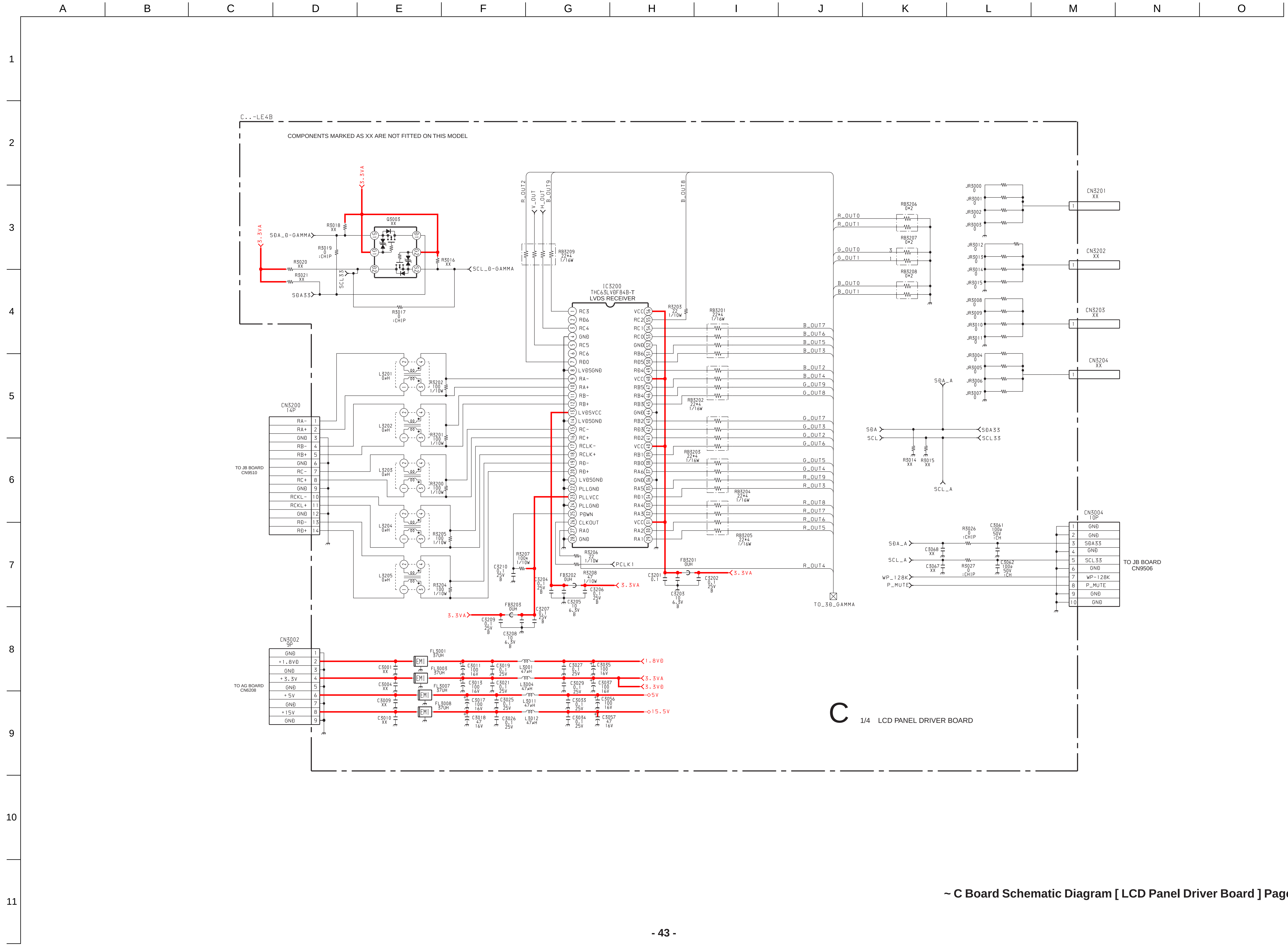
~ AG Board Schematic Diagram [Main Power Supply, Tuner, Audio Amplifier] Page 3/3 ~



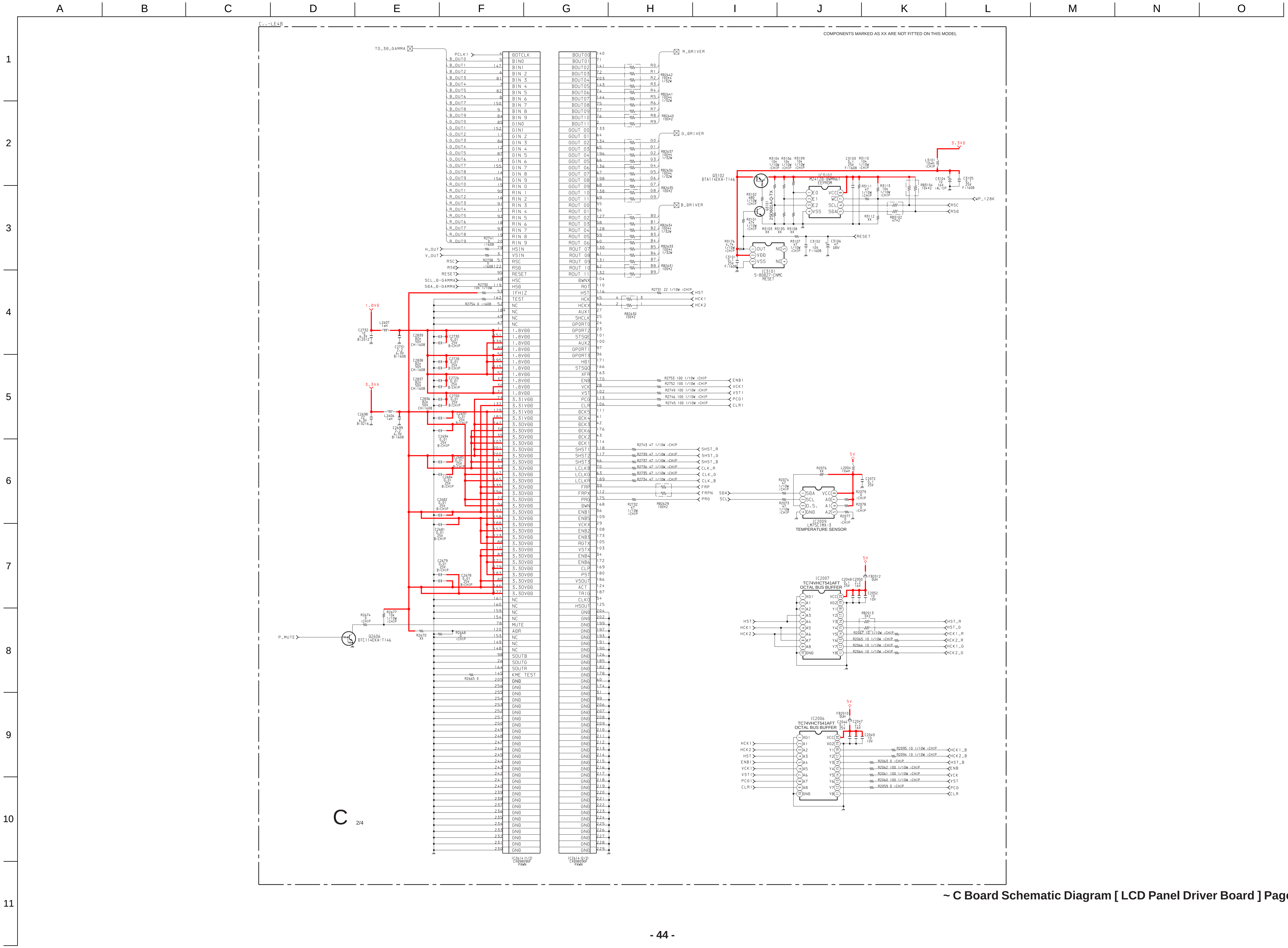
~ AG Printed Wiring Board Conductor Side A ~



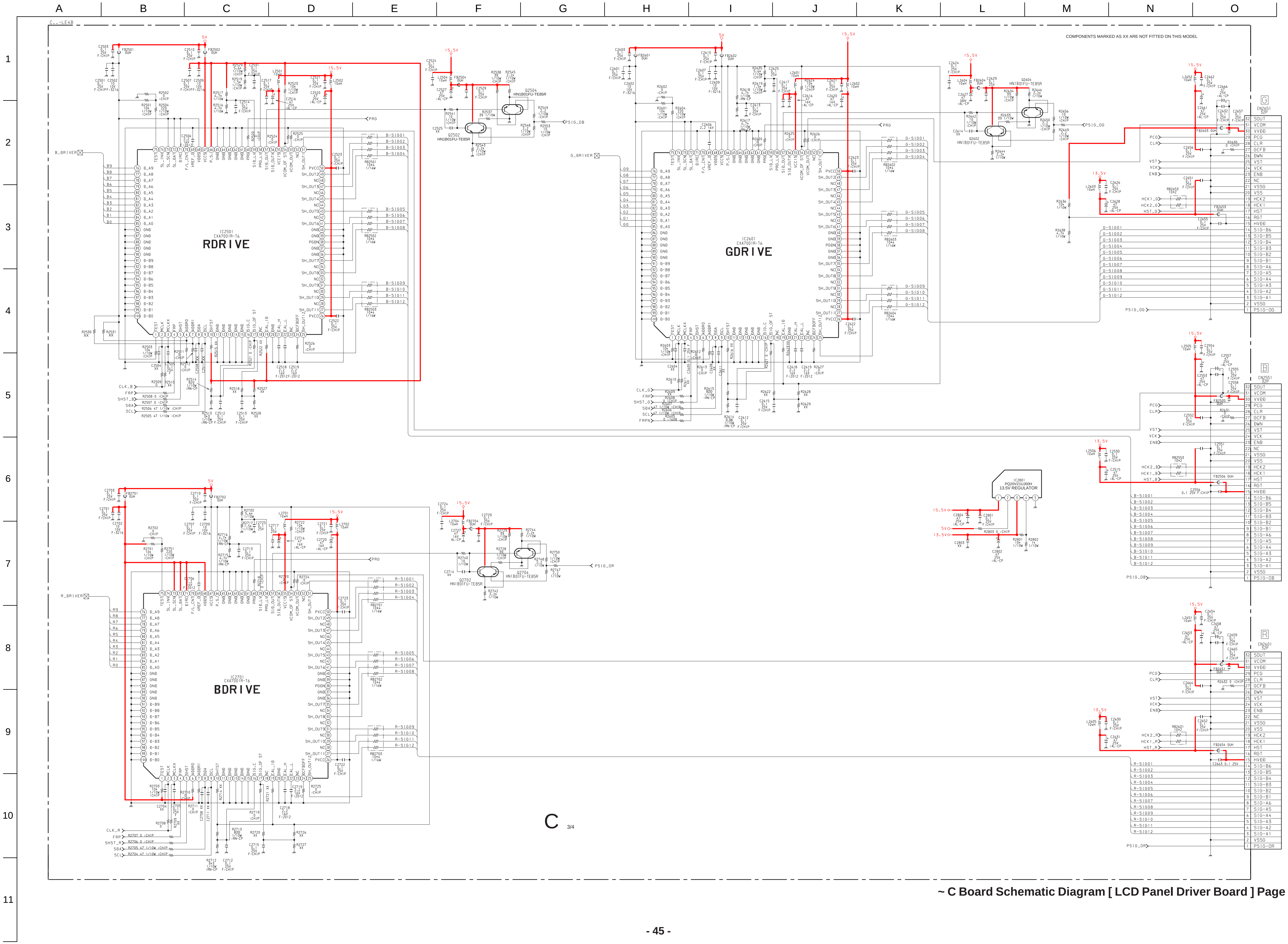
~ AG Printed Wiring Board Conductor Side B ~



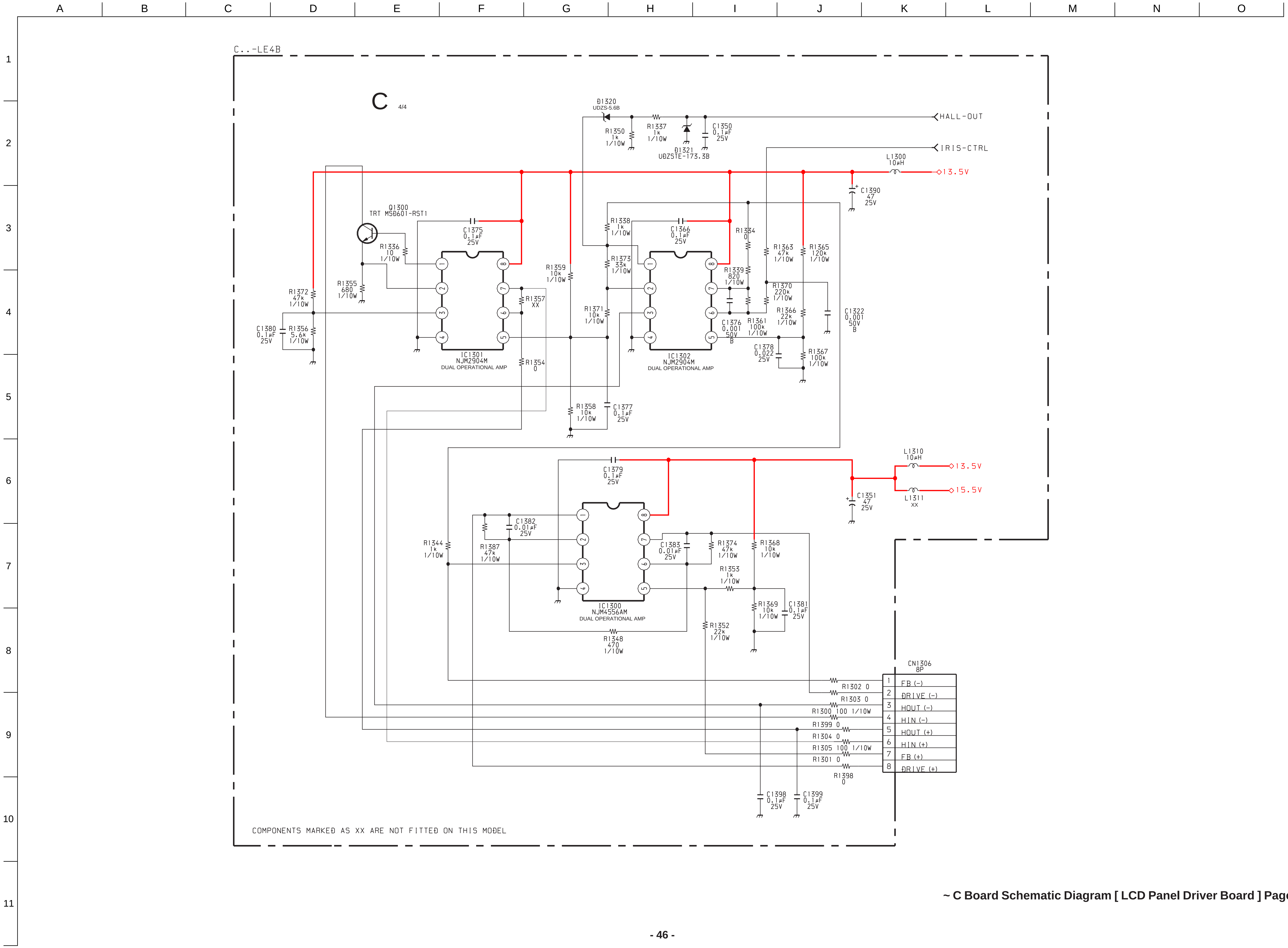
~ C Board Schematic Diagram [LCD Panel Driver Board] Page 1/4 ~



~ C Board Schematic Diagram [LCD Panel Driver Board] Page 2/4 ~



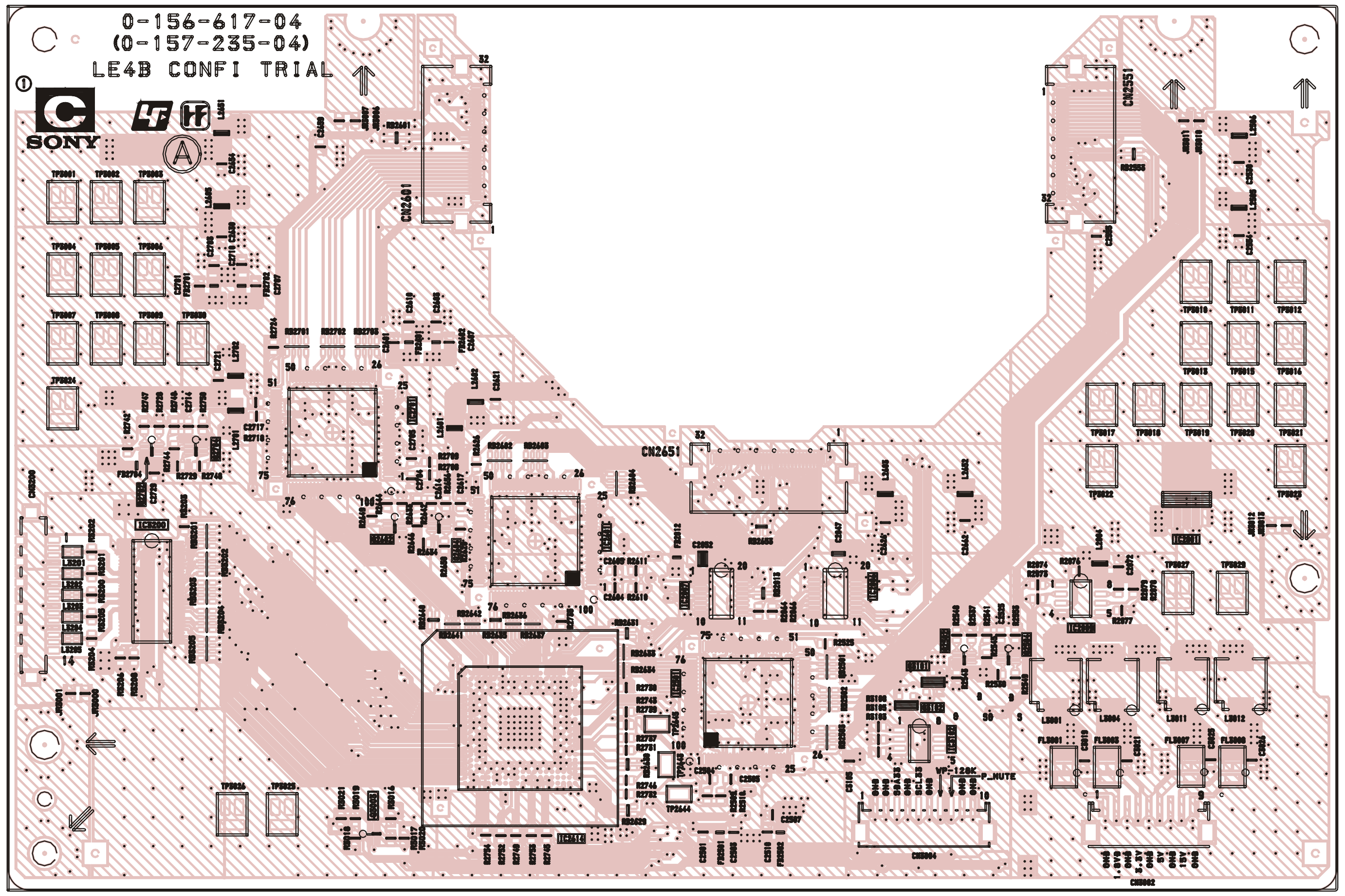
~ C Board Schematic Diagram [LCD Panel Driver Board] Page 3/4 ~



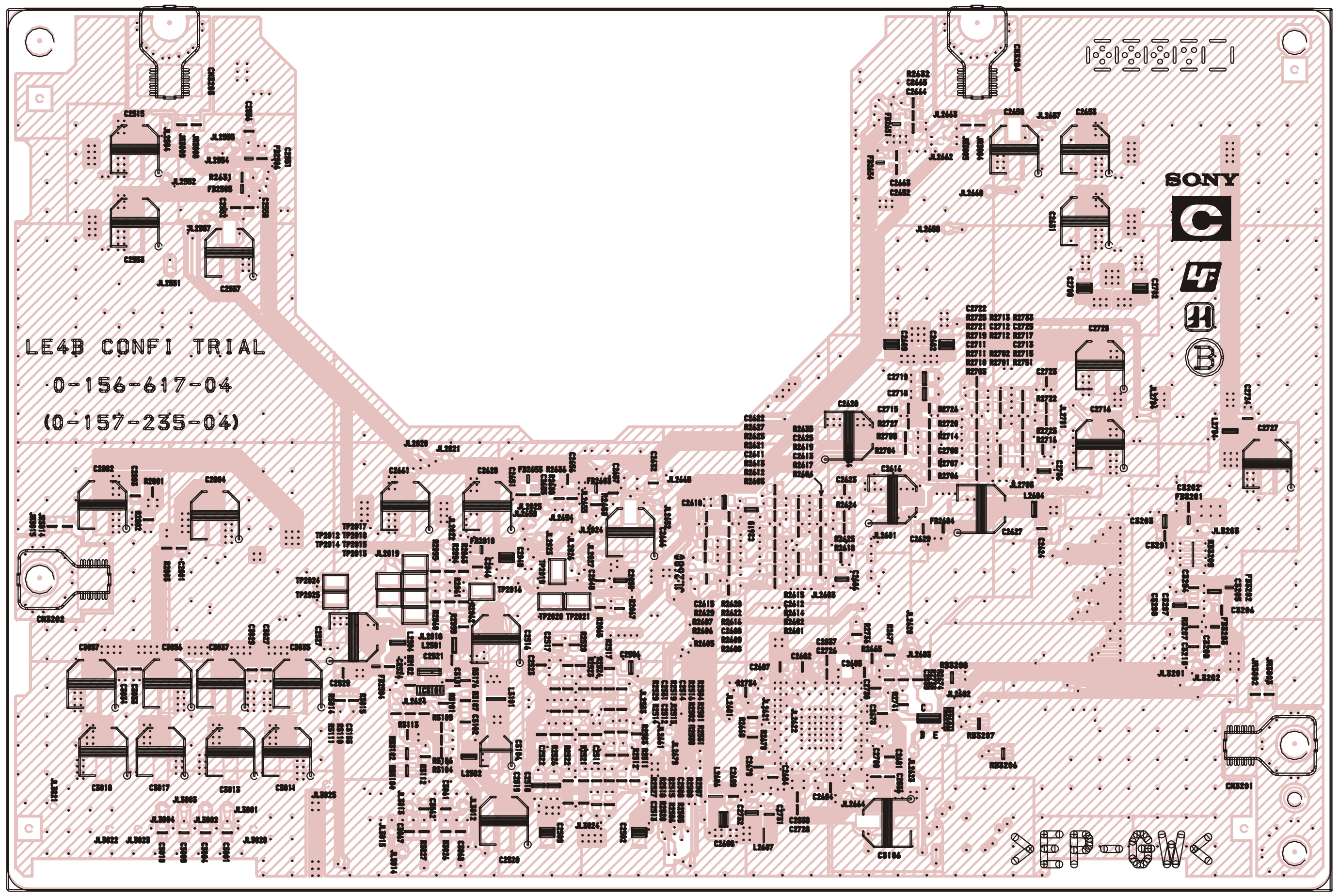
~ C Board Schematic Diagram [LCD Panel Driver Board] Page 4/4 ~

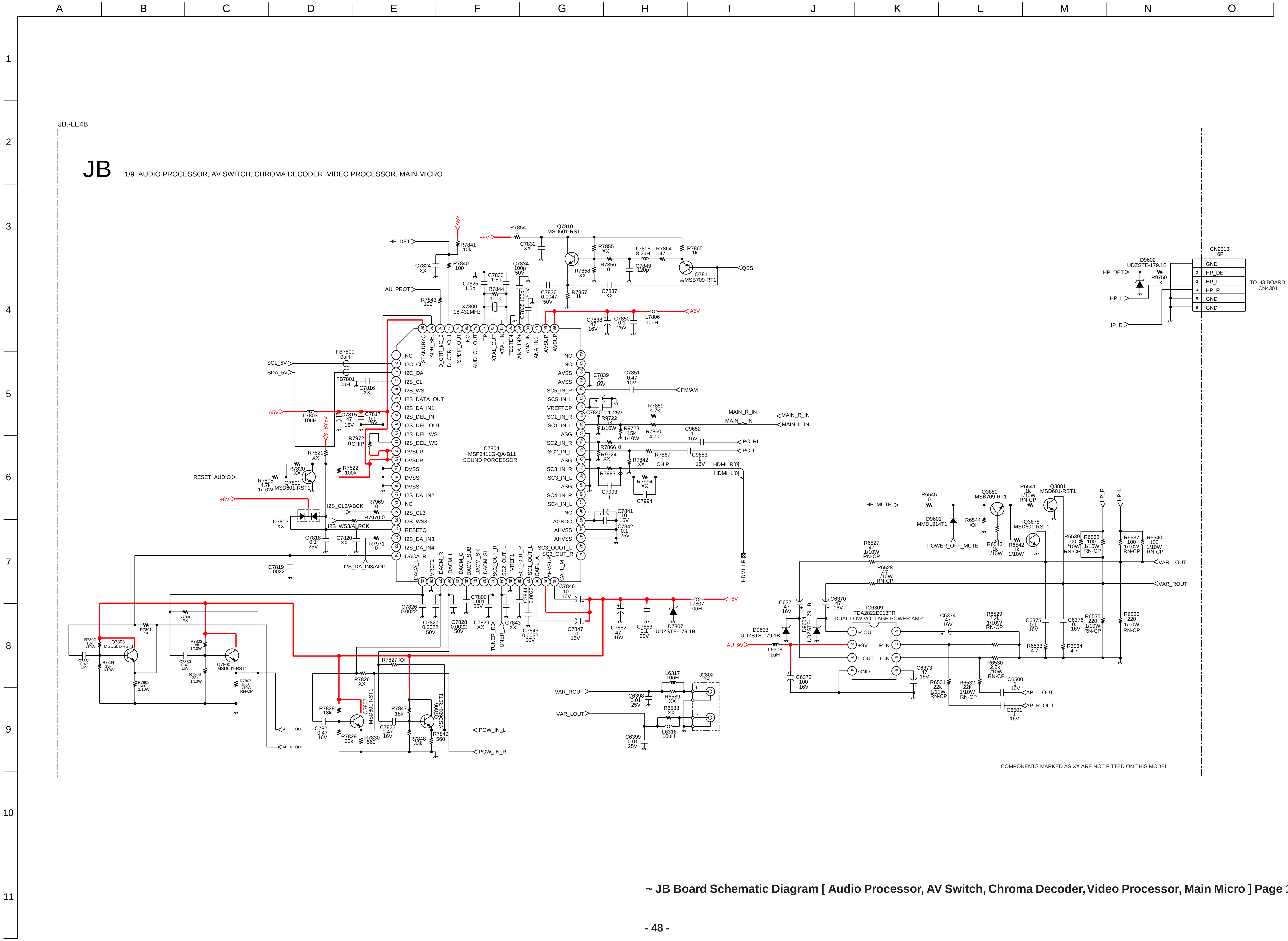
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

~ C Printed Wiring Board Conductor Side A ~

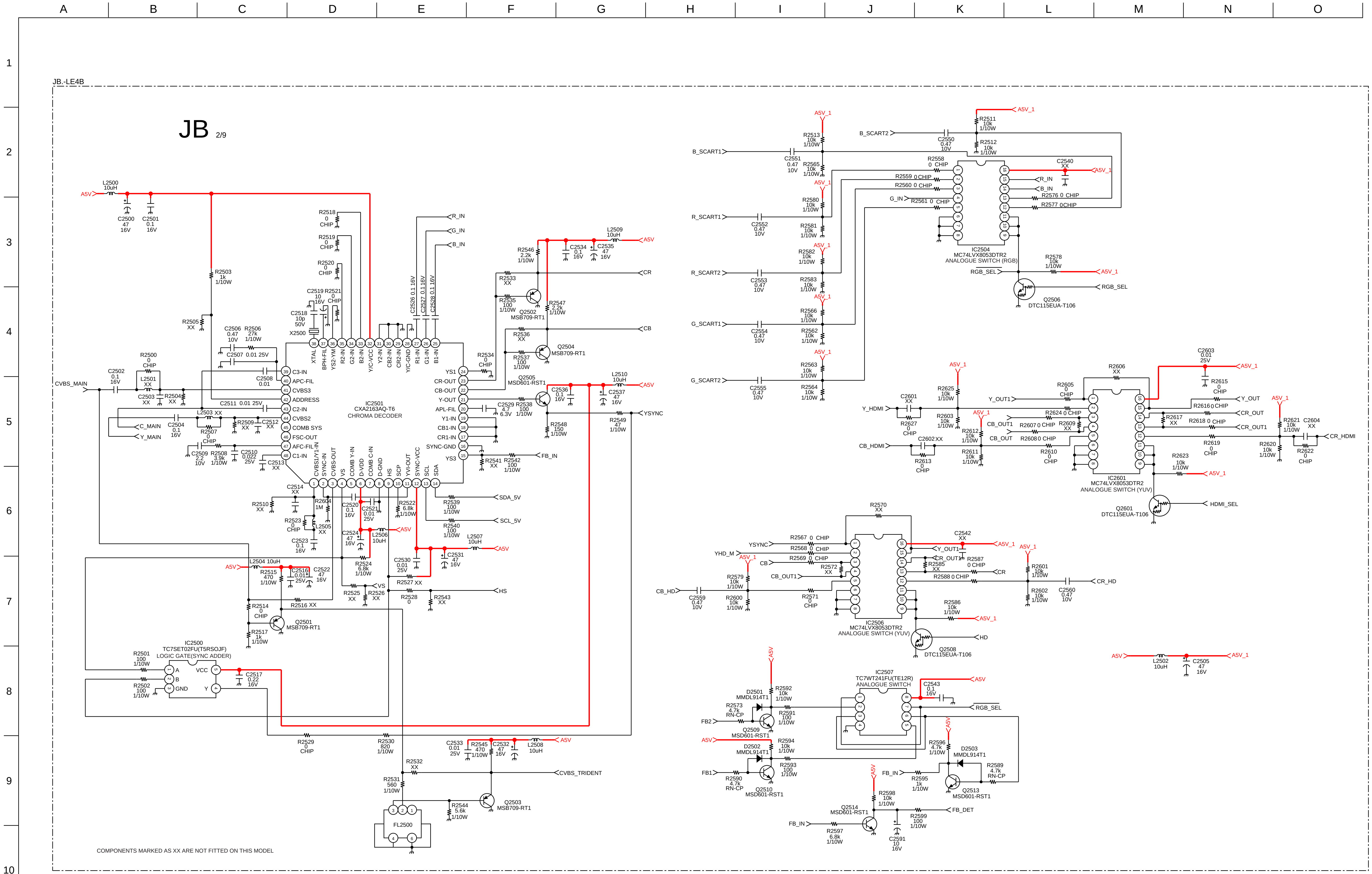


~ C Printed Wiring Board Conductor Side B ~

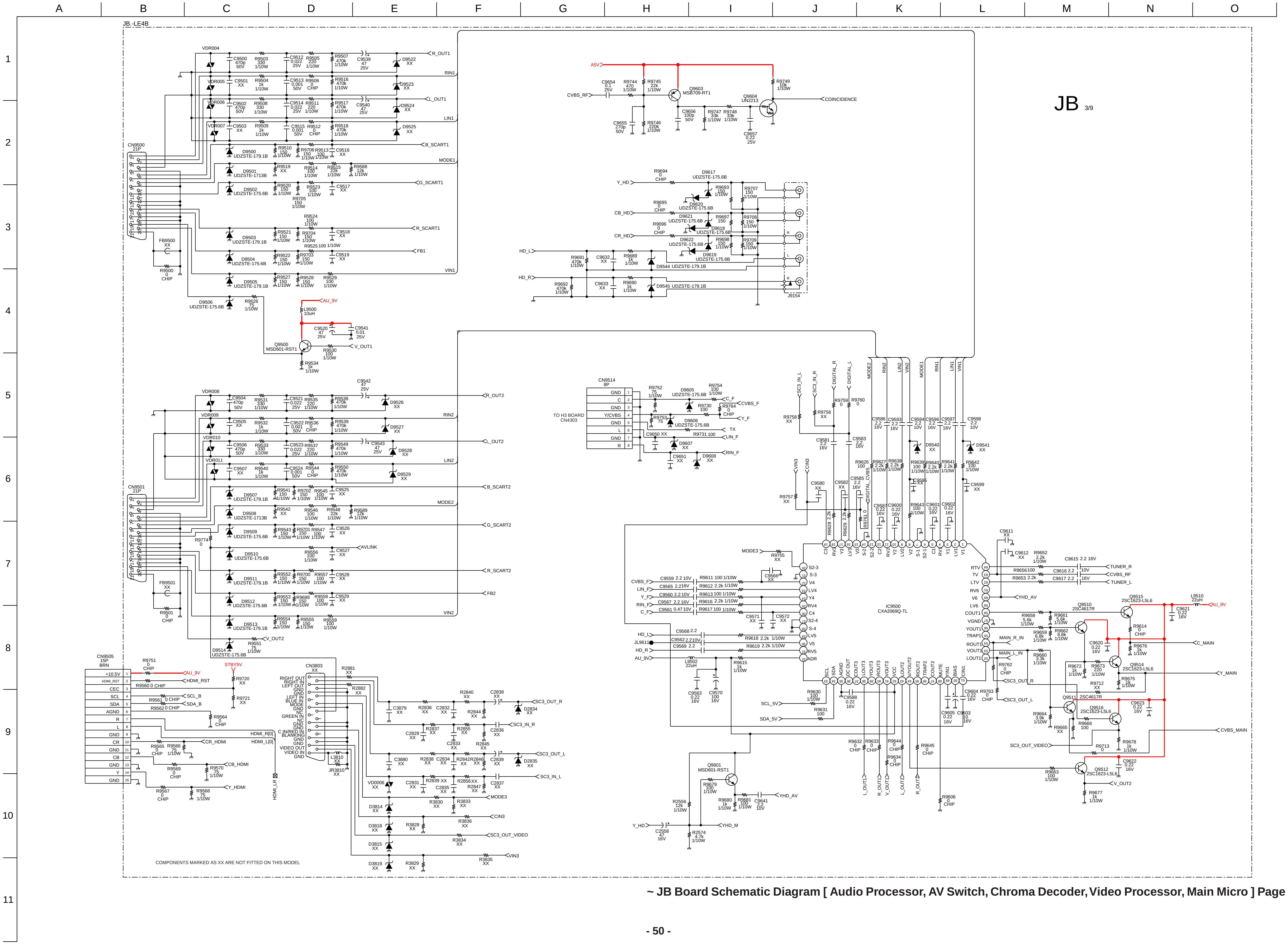




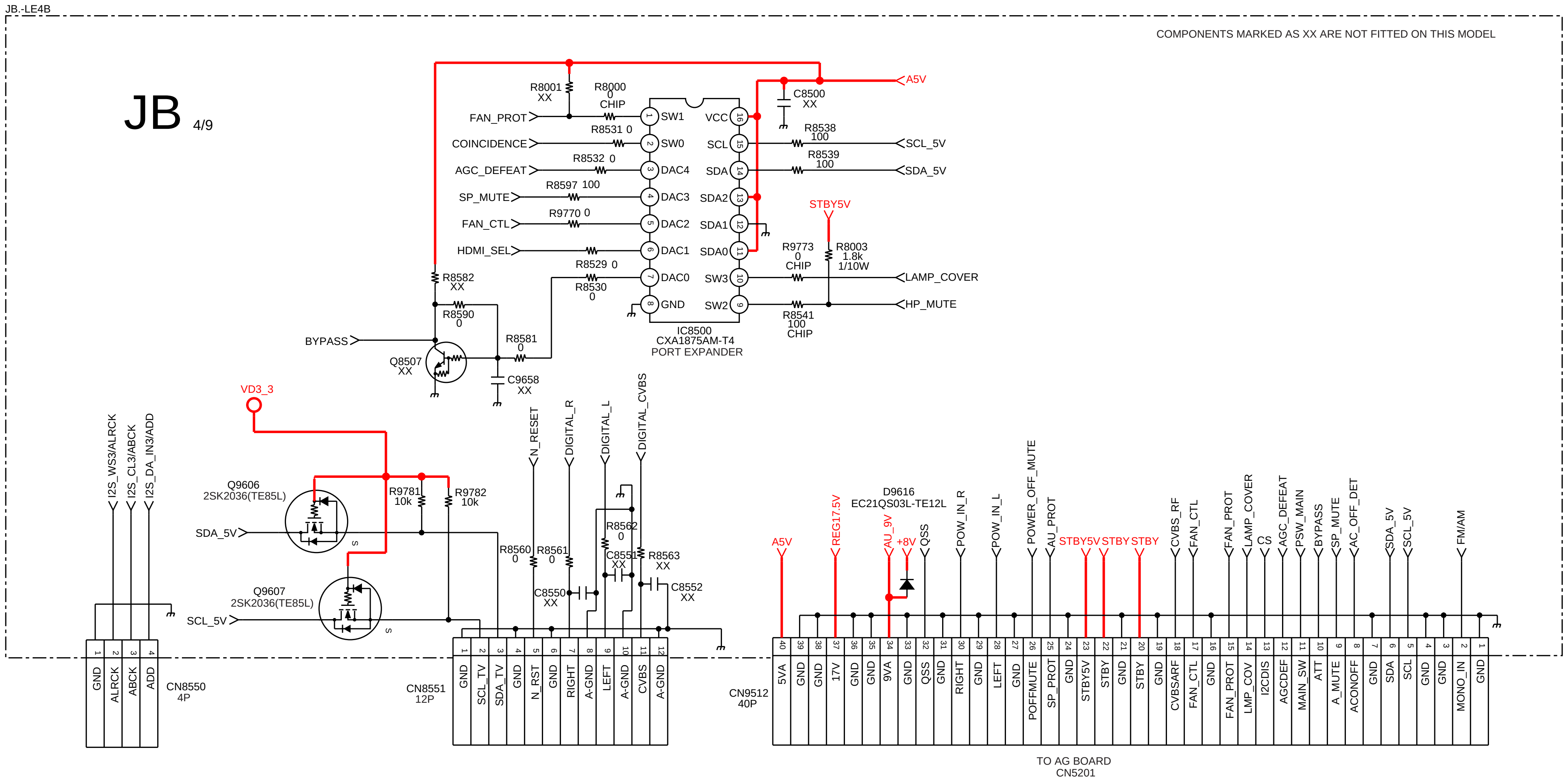
~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 1/9 ~



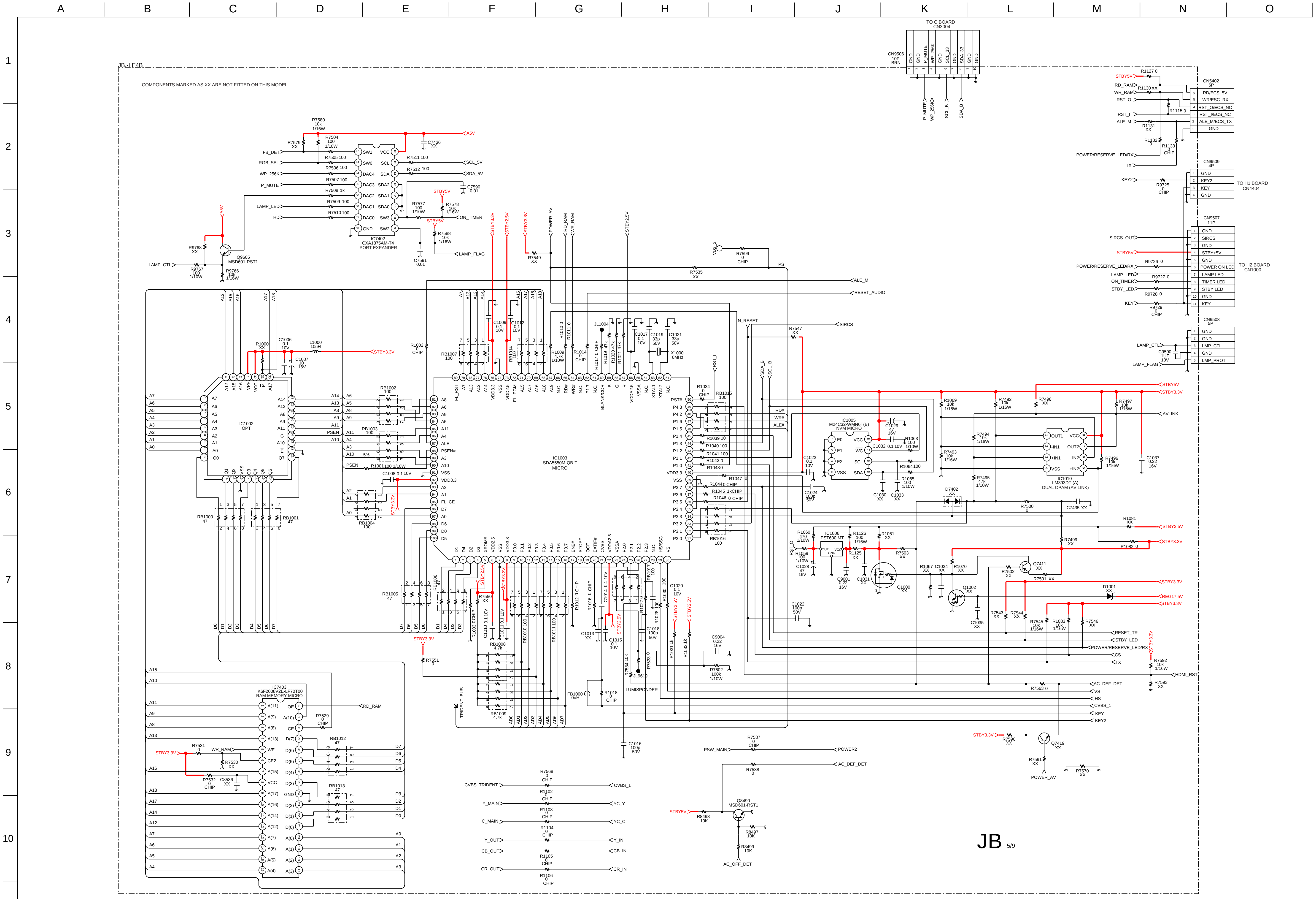
~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 2/9 ~



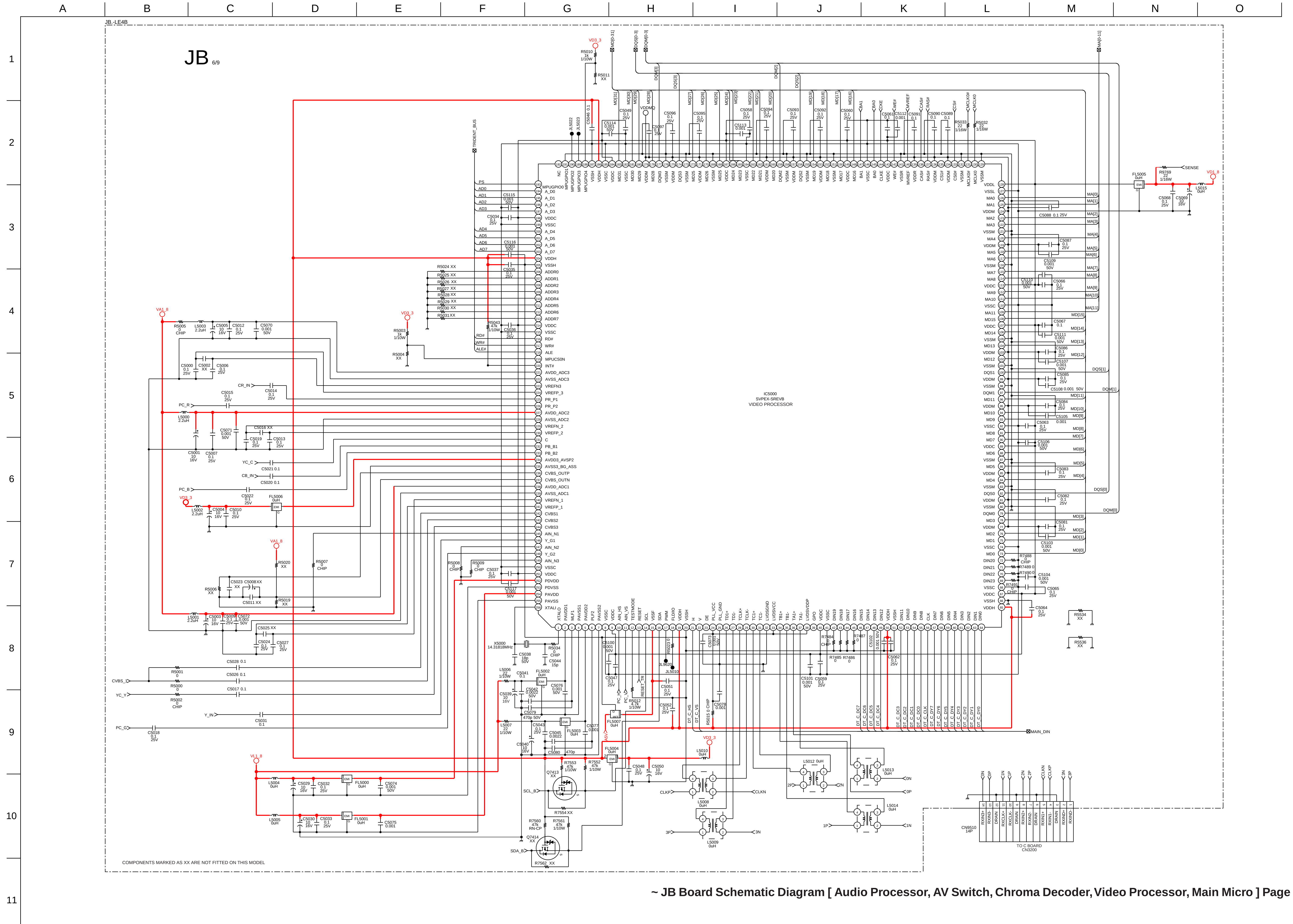
~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 3/9 ~



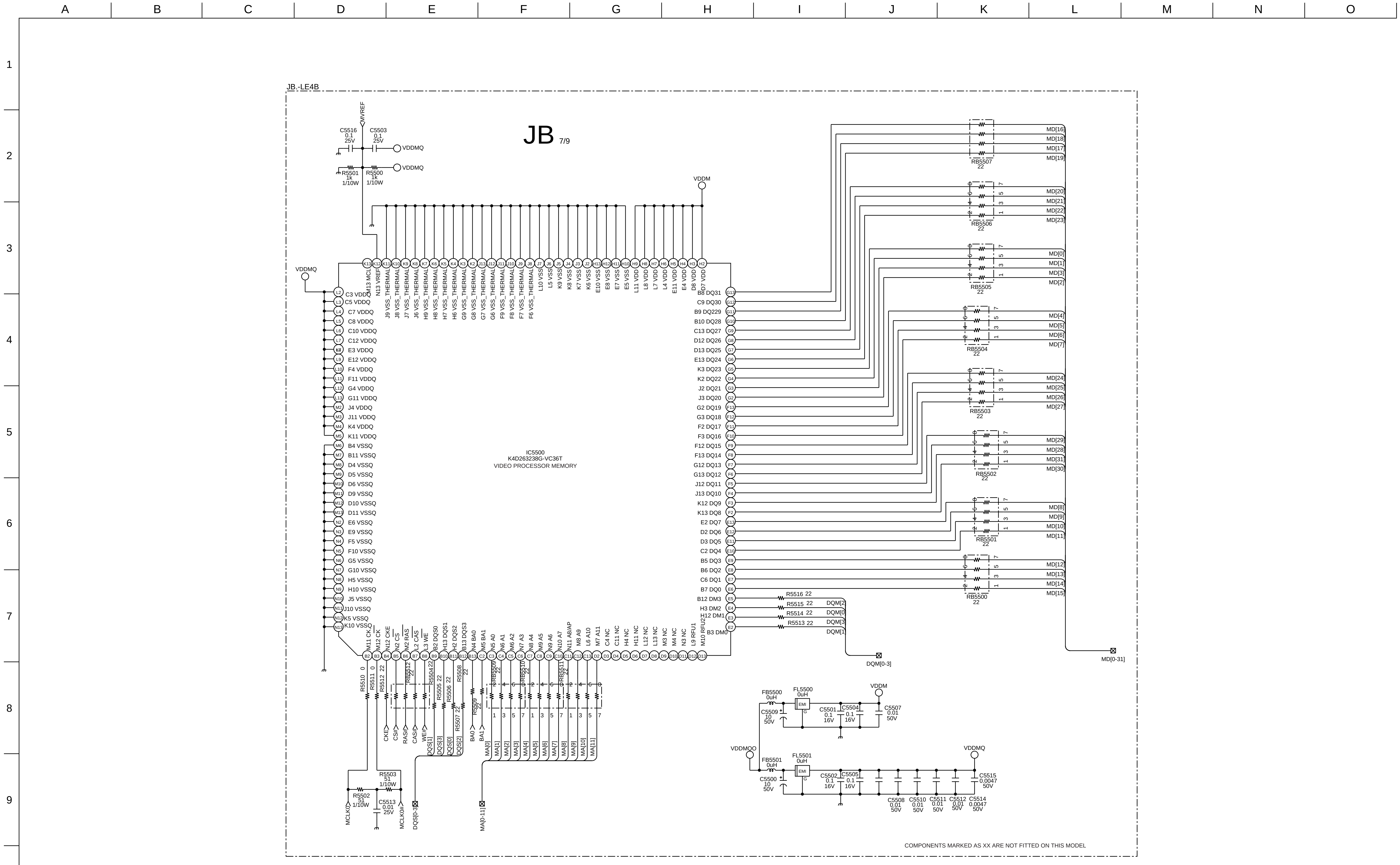
~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 4/9 ~



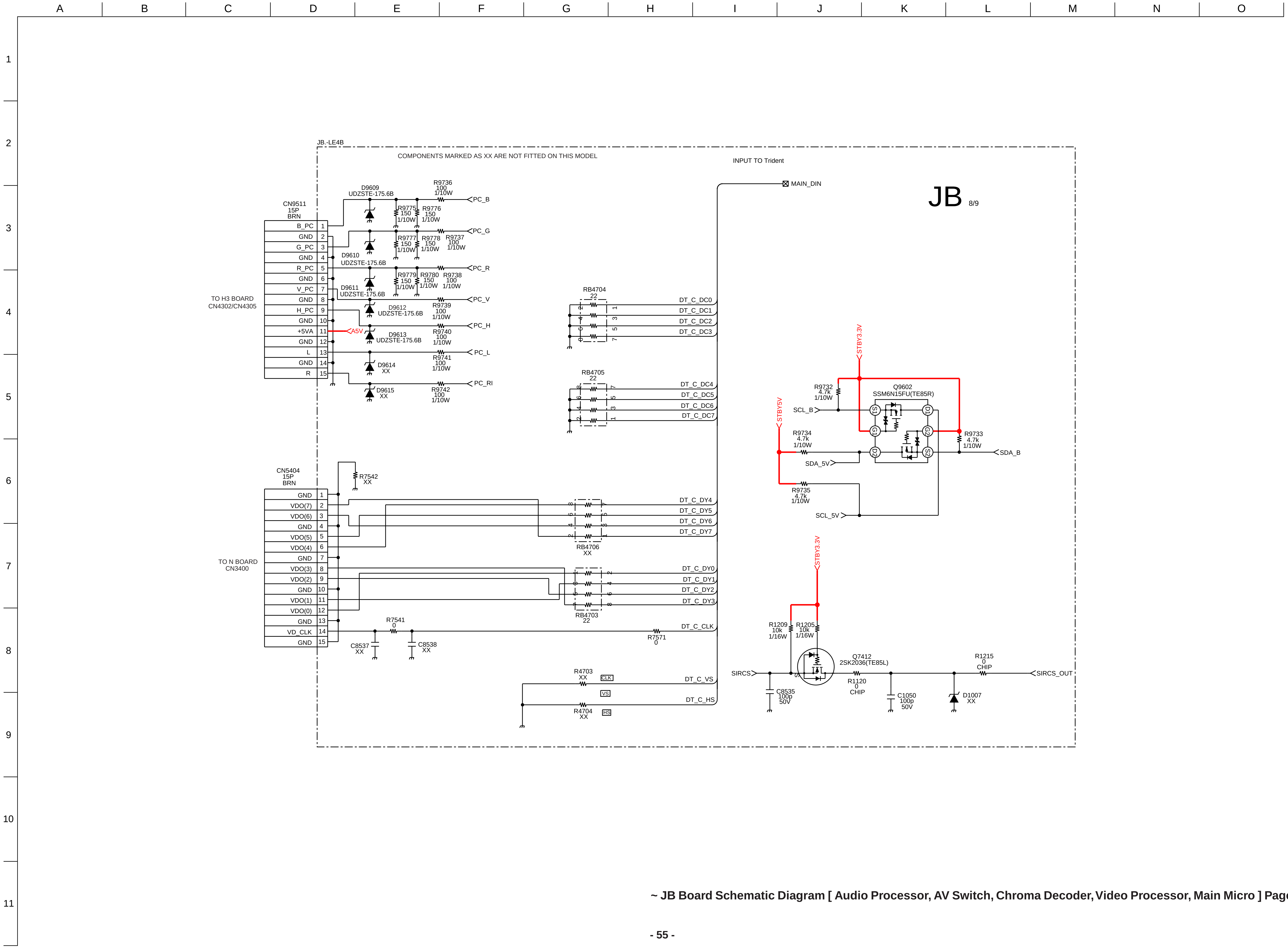
~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 5/9 ~



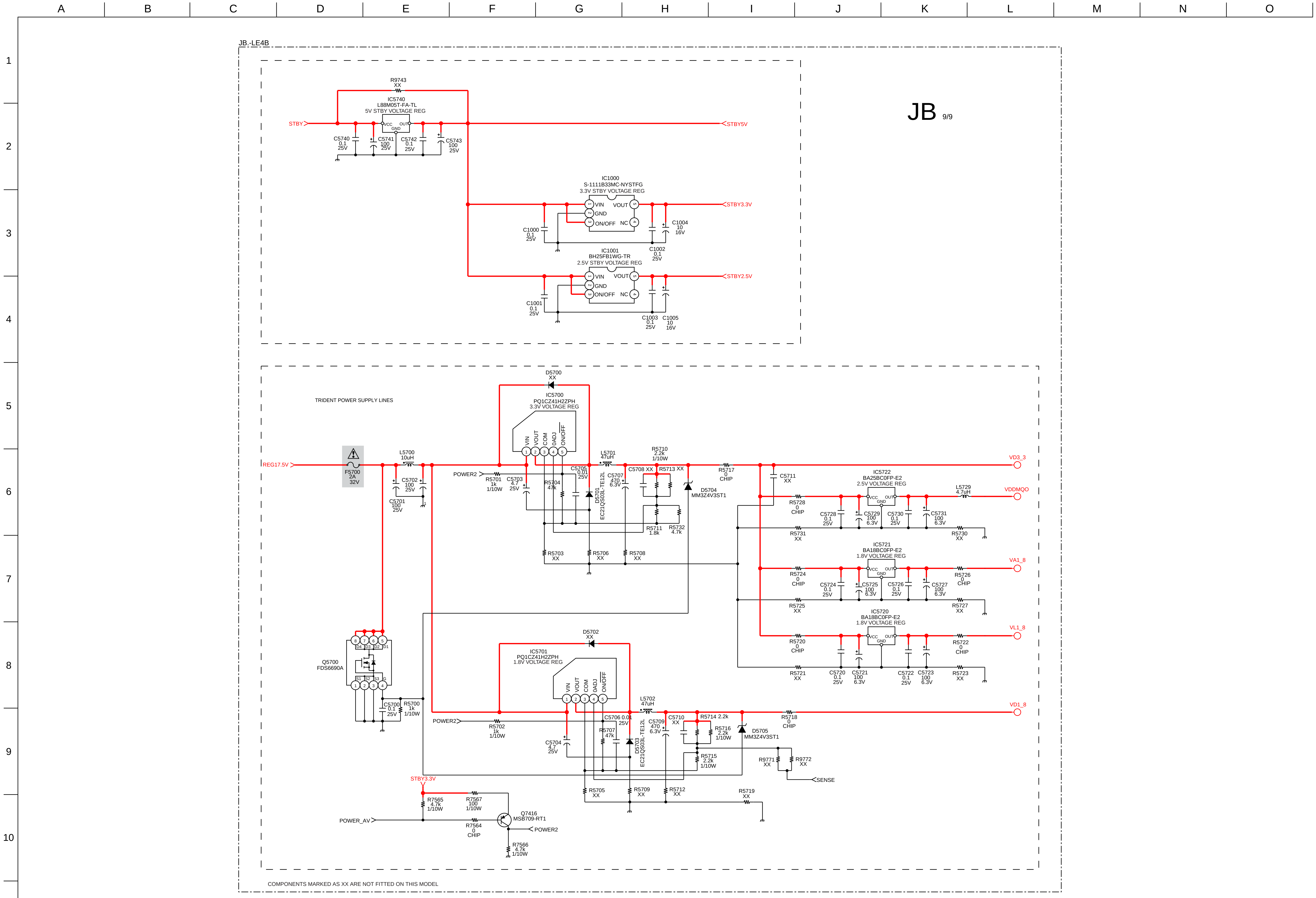
~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 6/9 ~



~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 7/9 ~

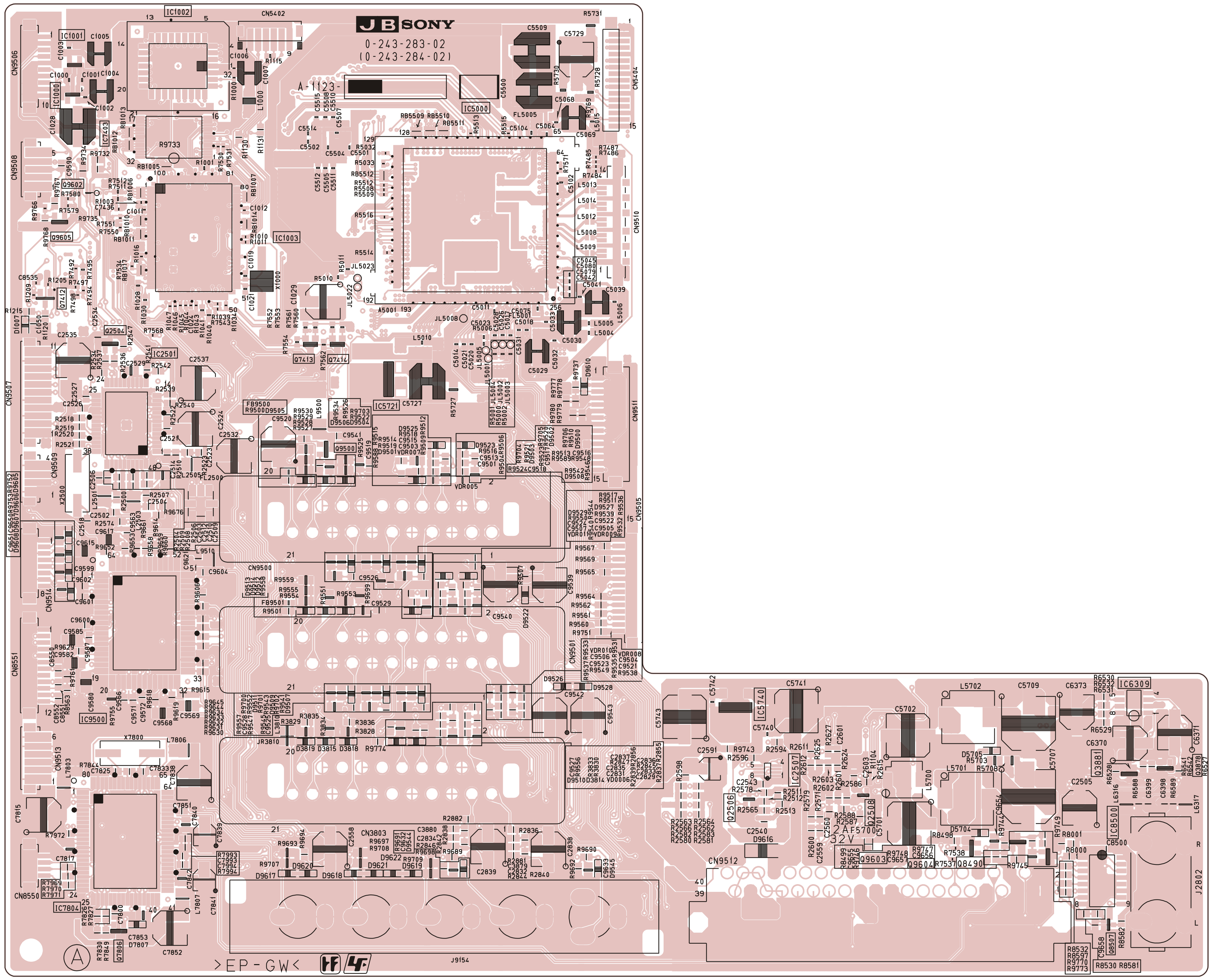


~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 8/9 ~

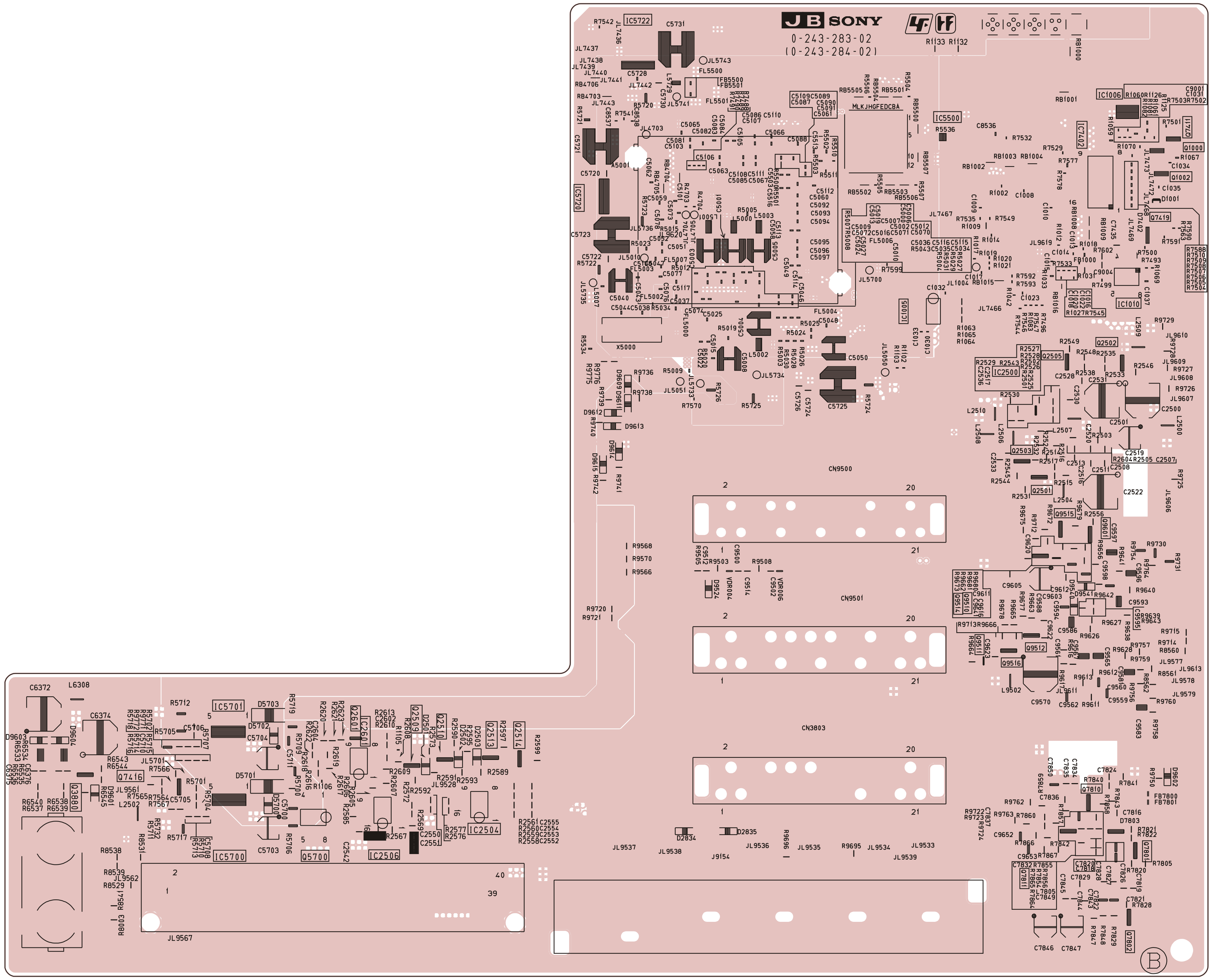


~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 9/9 ~

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

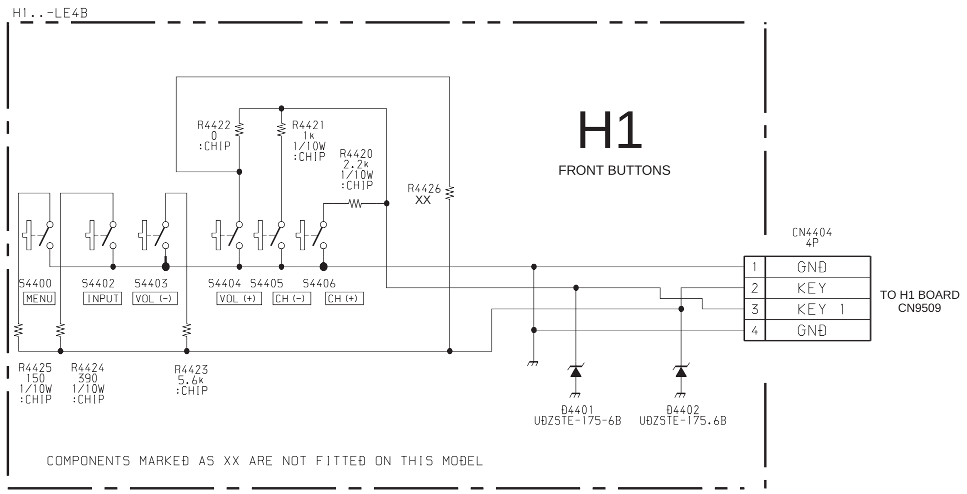


~ JB Printed Wiring Board Conductor Side A ~

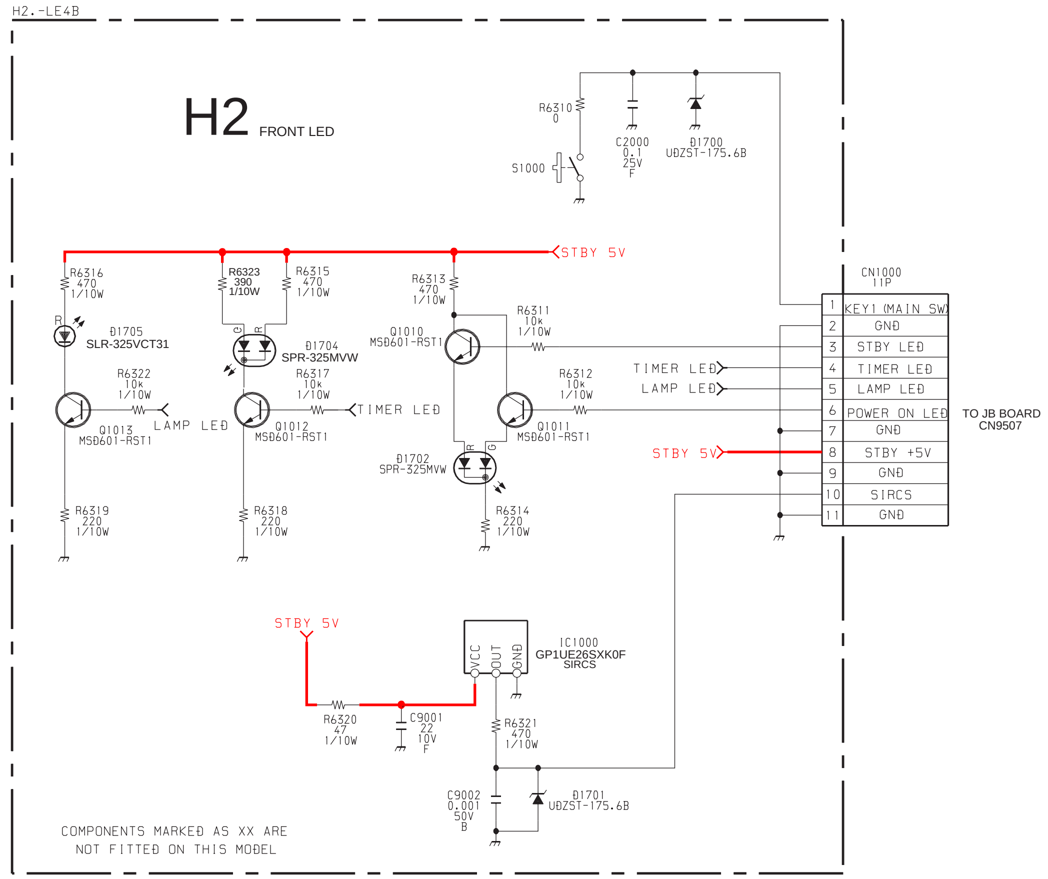


~ JB Printed Wiring Board Conductor Side B ~

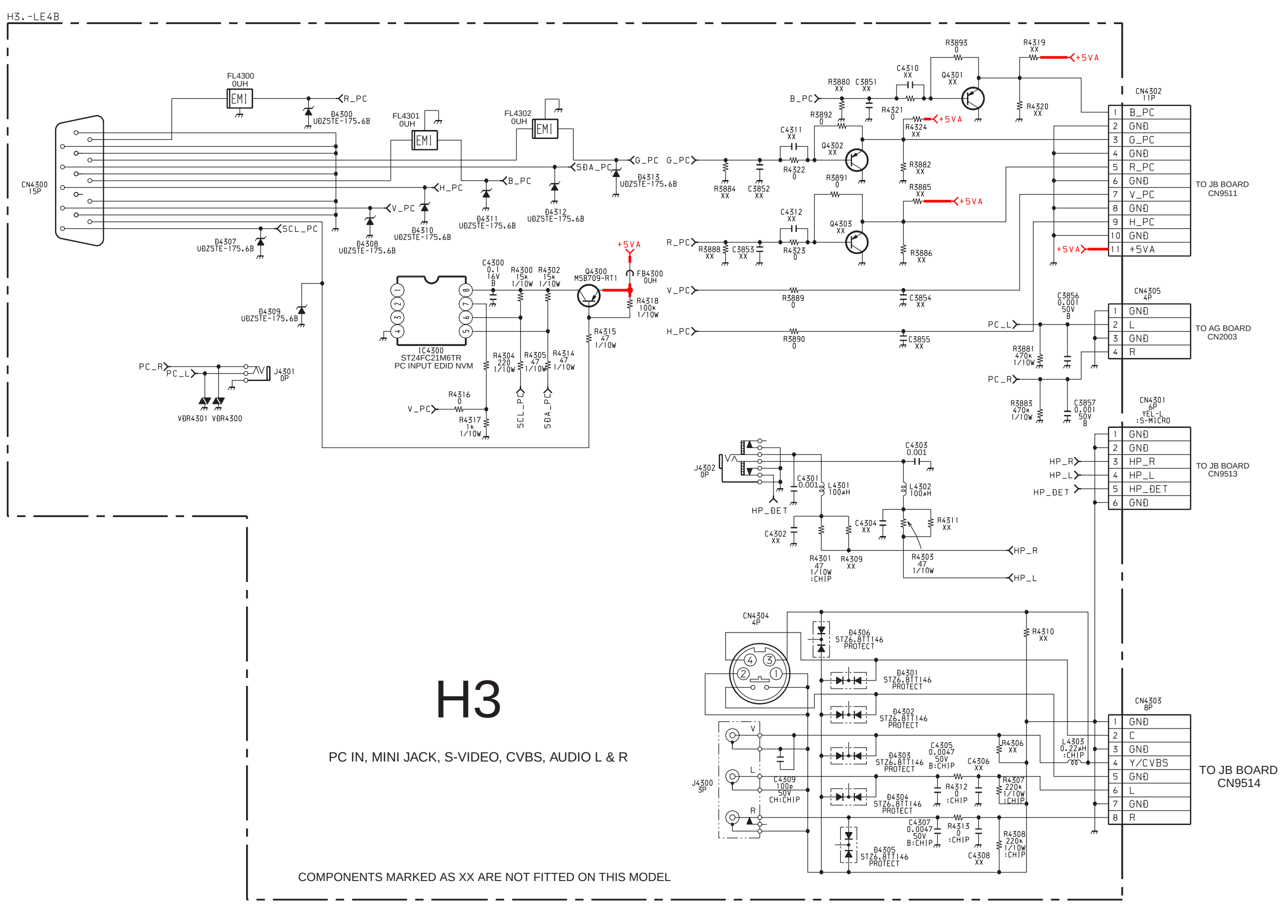
~ H1 Board Schematic Diagram [Front Buttons] ~



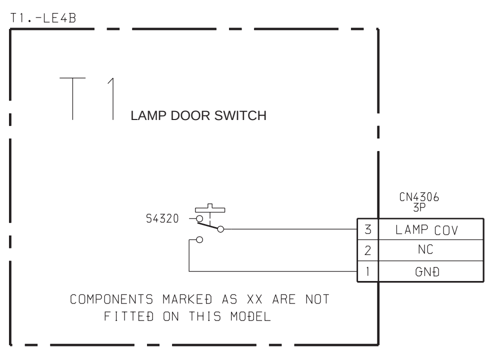
~ H2 Board Schematic Diagram [Front LED] ~



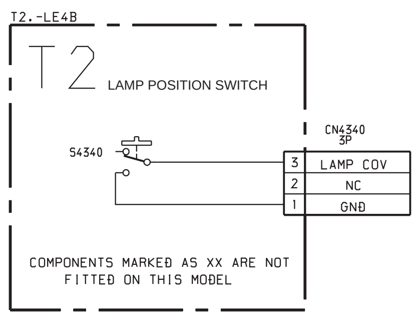
~ H3 Board Schematic Diagram [PC In, Minijack, S-Video, CVBS, Audio L+R] ~



~ T1 Board Schematic Diagram [Lamp Door Switch] ~

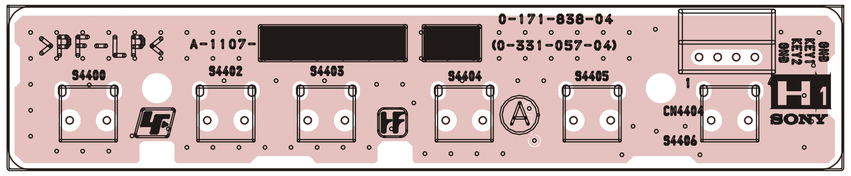


~ T2 Board Schematic Diagram [Lamp Position Switch] ~

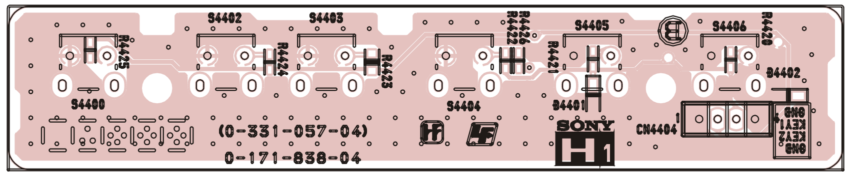


A B C D E F G H I J K L M N O

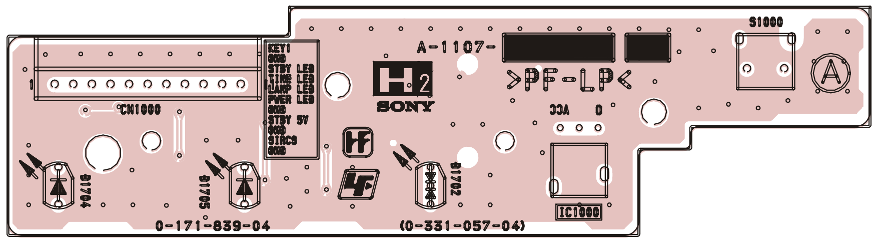
~ H1 Printed Wiring Board Conductor Side A ~



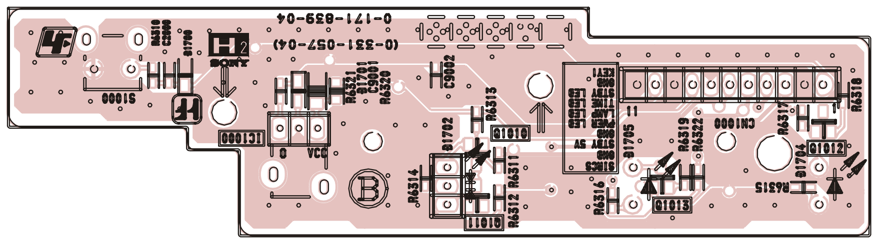
~ H1 Printed Wiring Board Conductor Side B ~



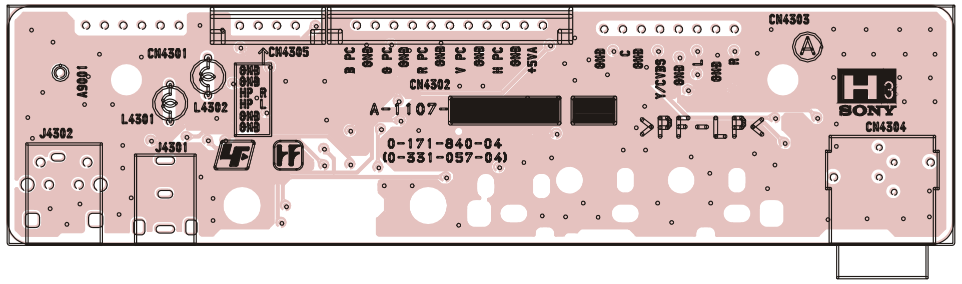
~ H2 Printed Wiring Board Conductor Side A ~



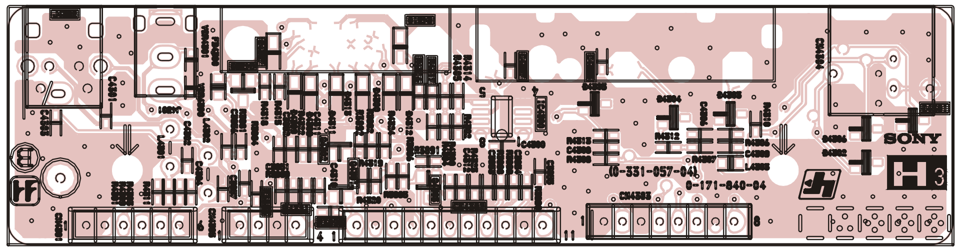
~ H2 Printed Wiring Board Conductor Side B ~



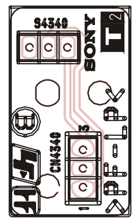
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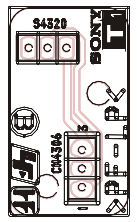
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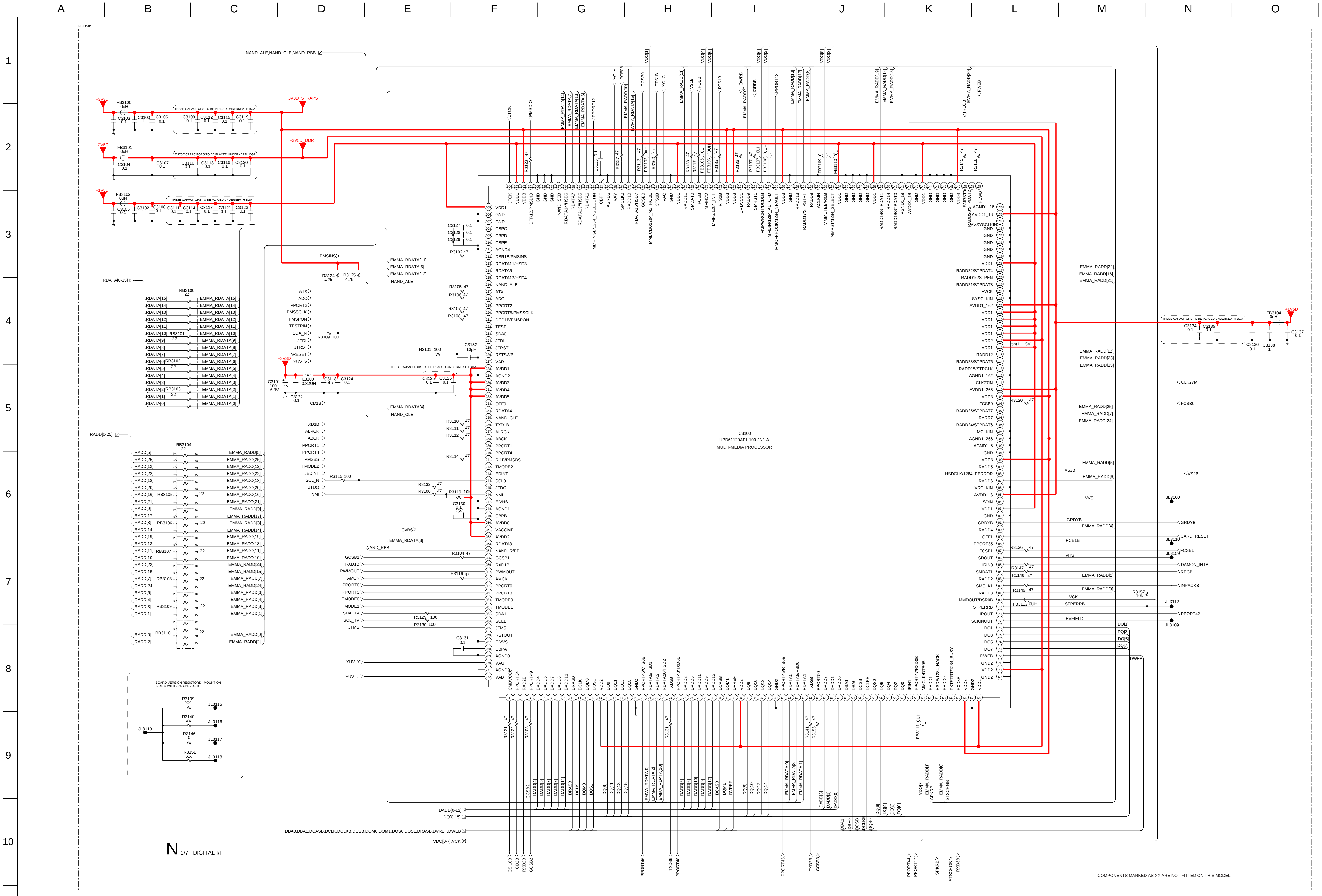


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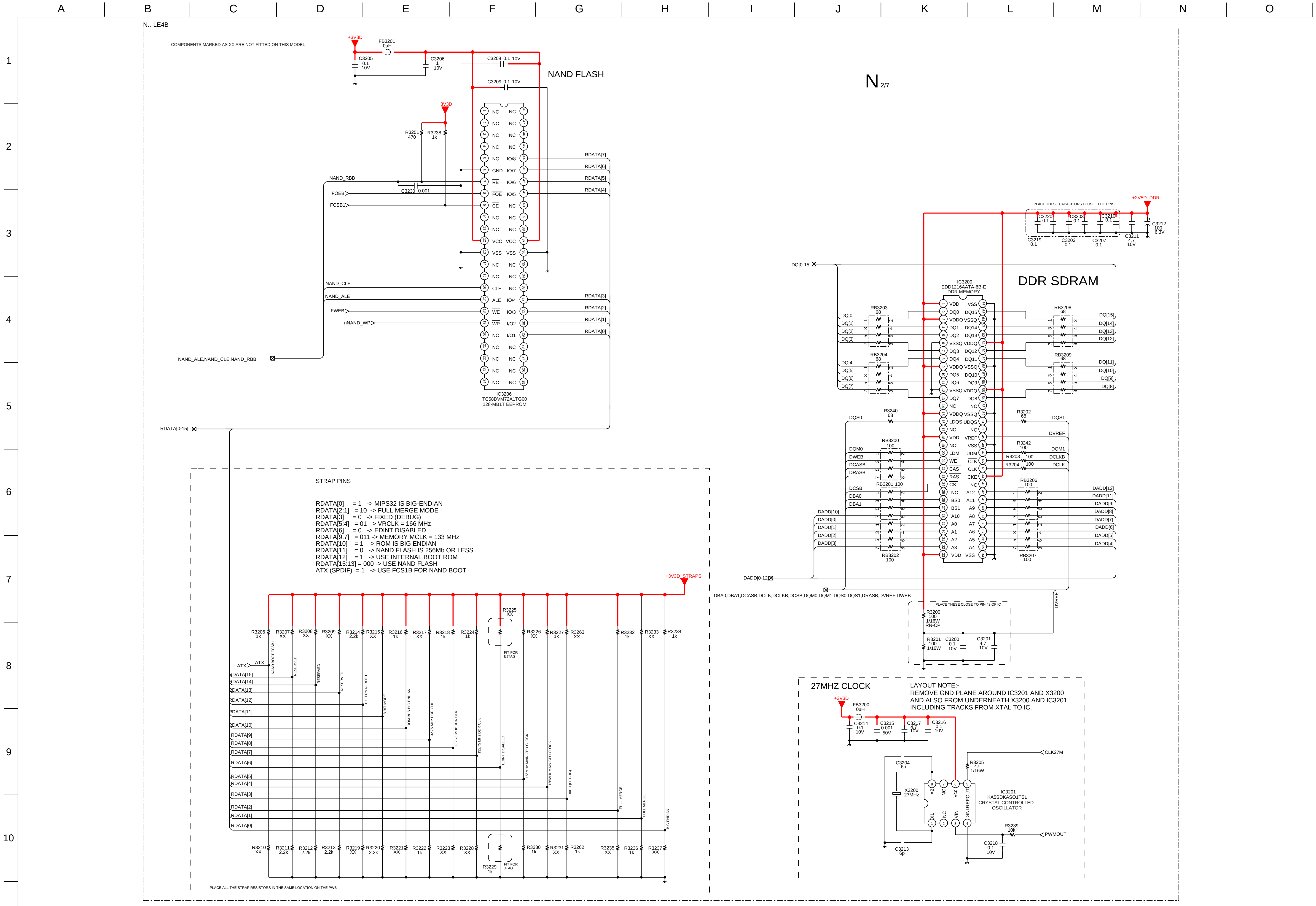


~ T1 Printed Wiring Board Conductor Side ~

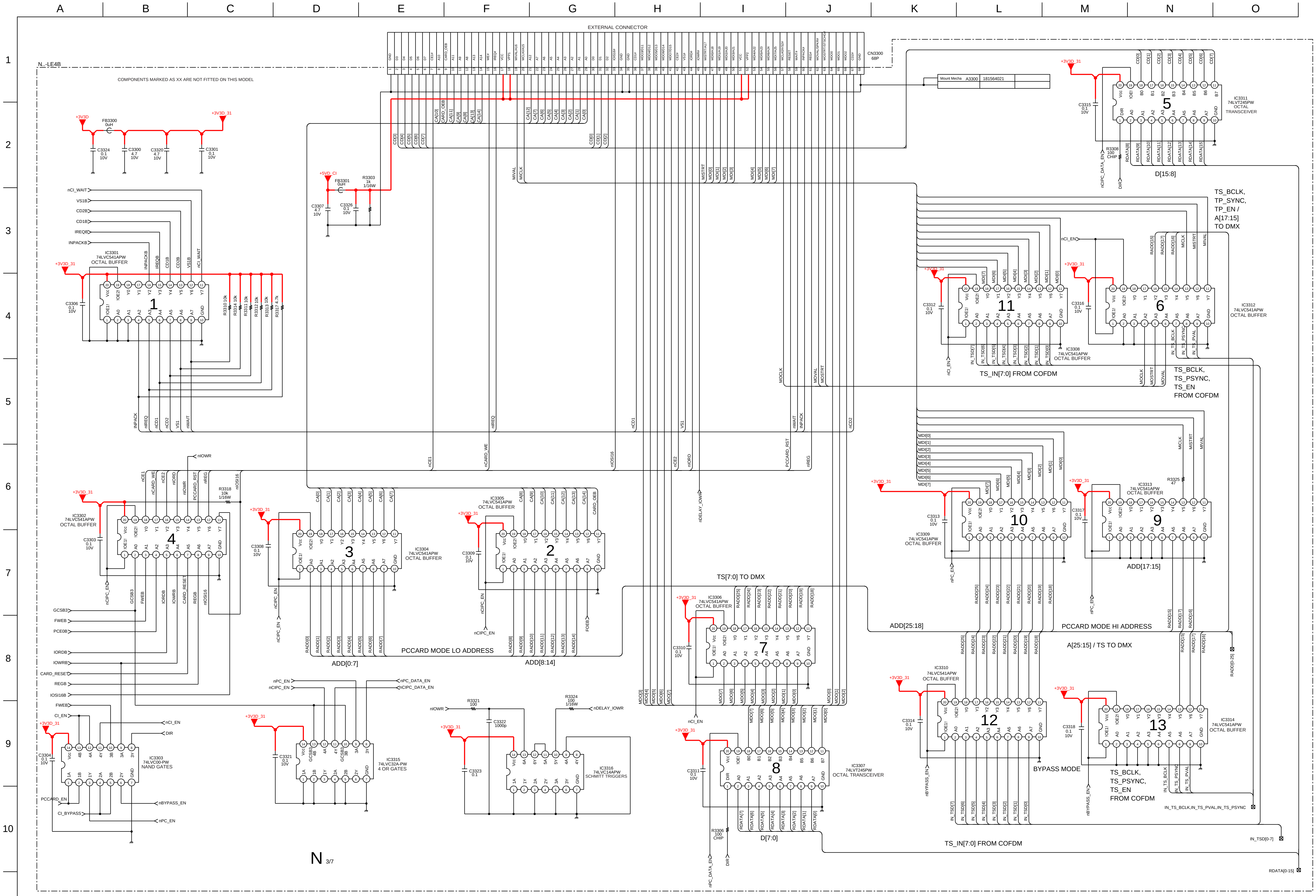




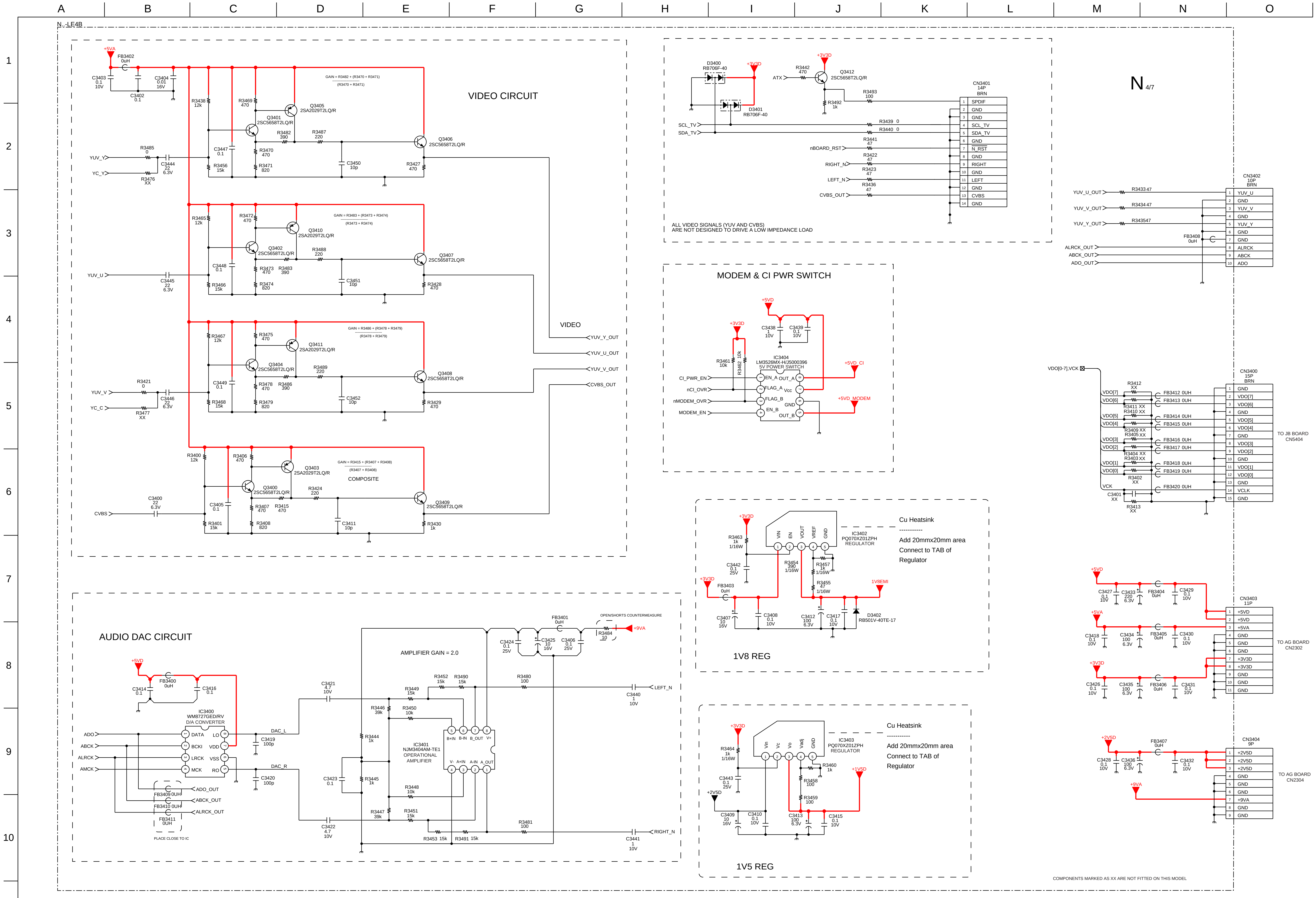
~ N Board Schematic Diagram [Digital I/F] Page 1/7 ~



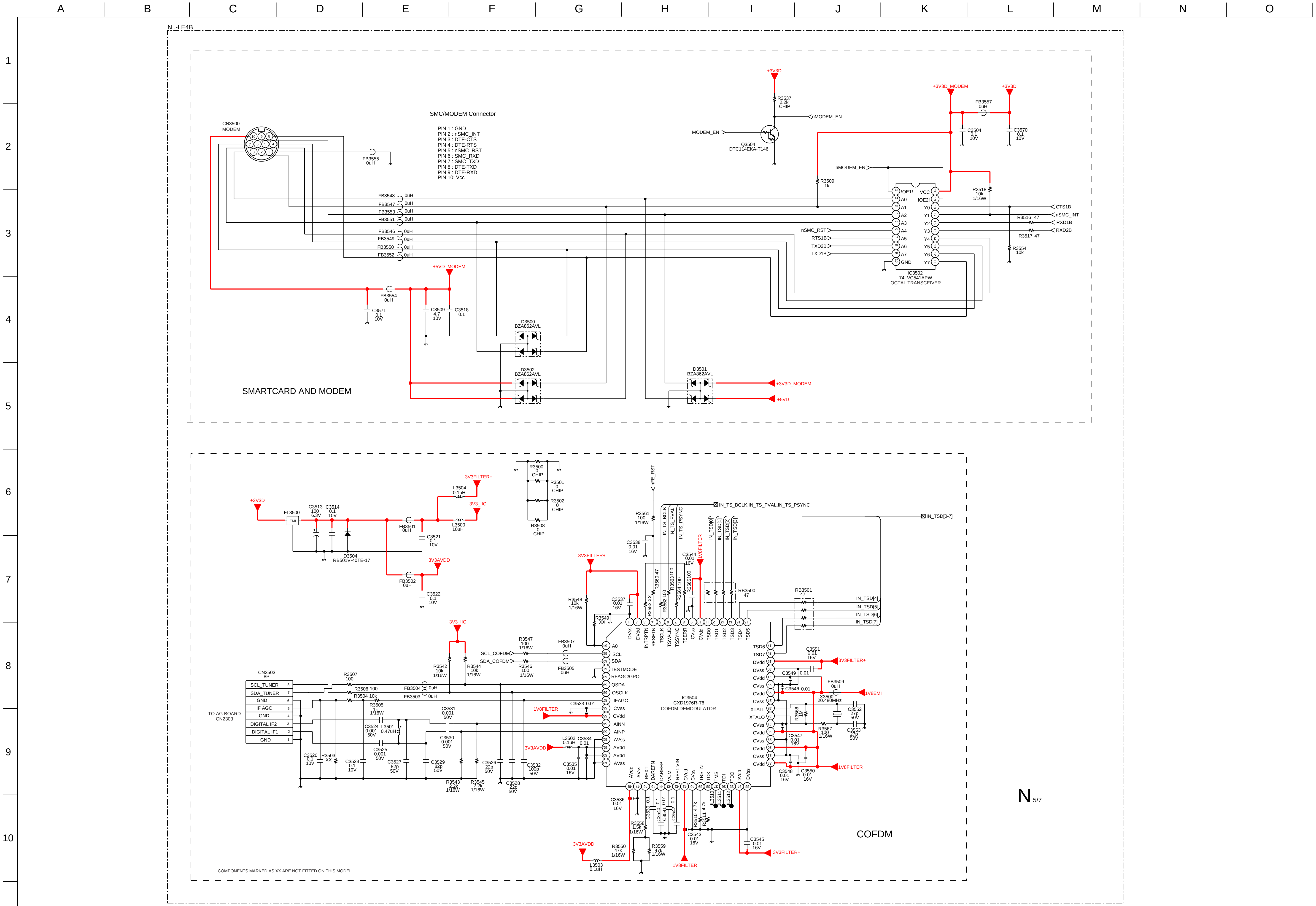
~ N Board Schematic Diagram [Digital I/F] Page 2/7 ~



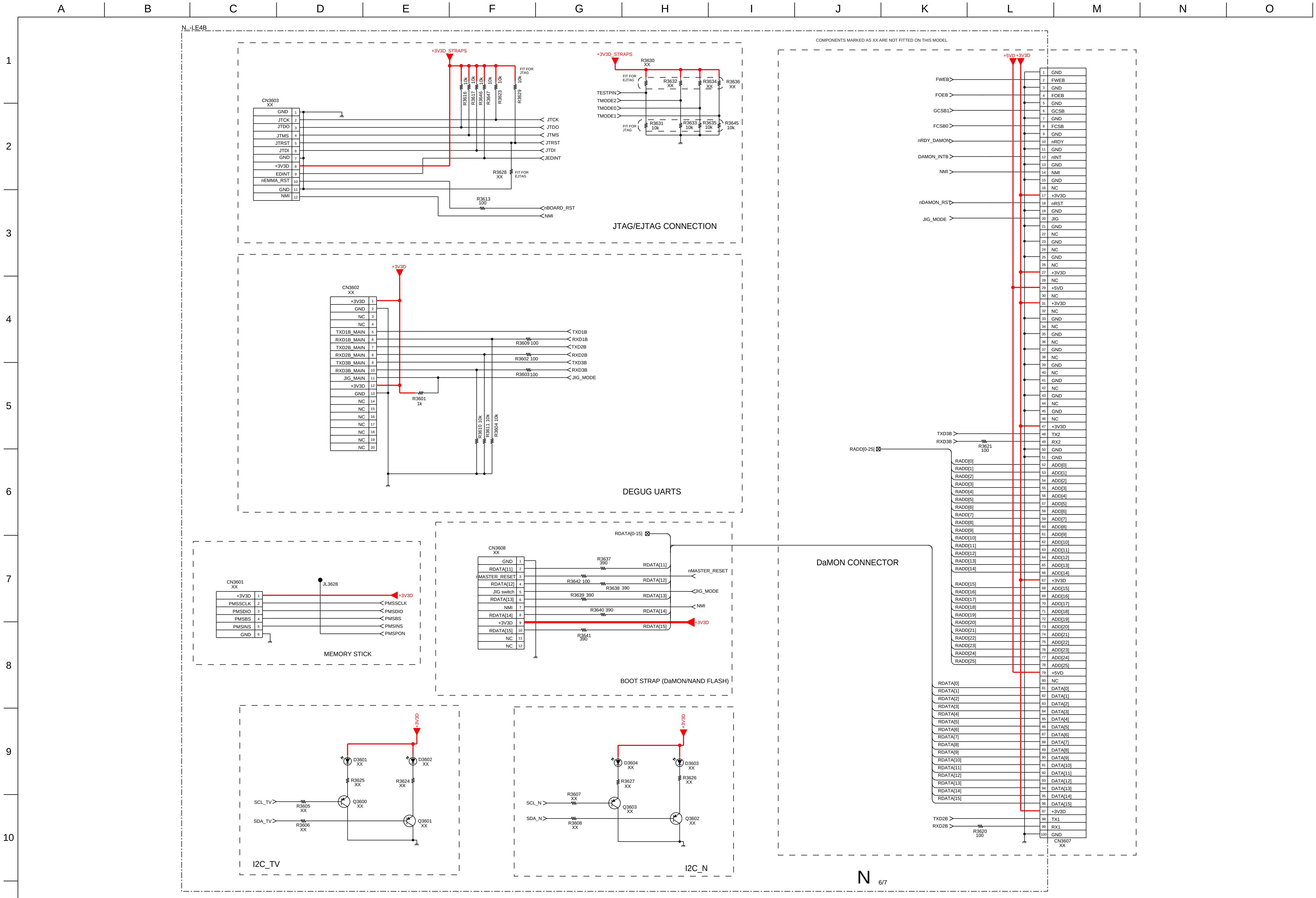
~ N Board Schematic Diagram [Digital I/F] Page 3/7 ~



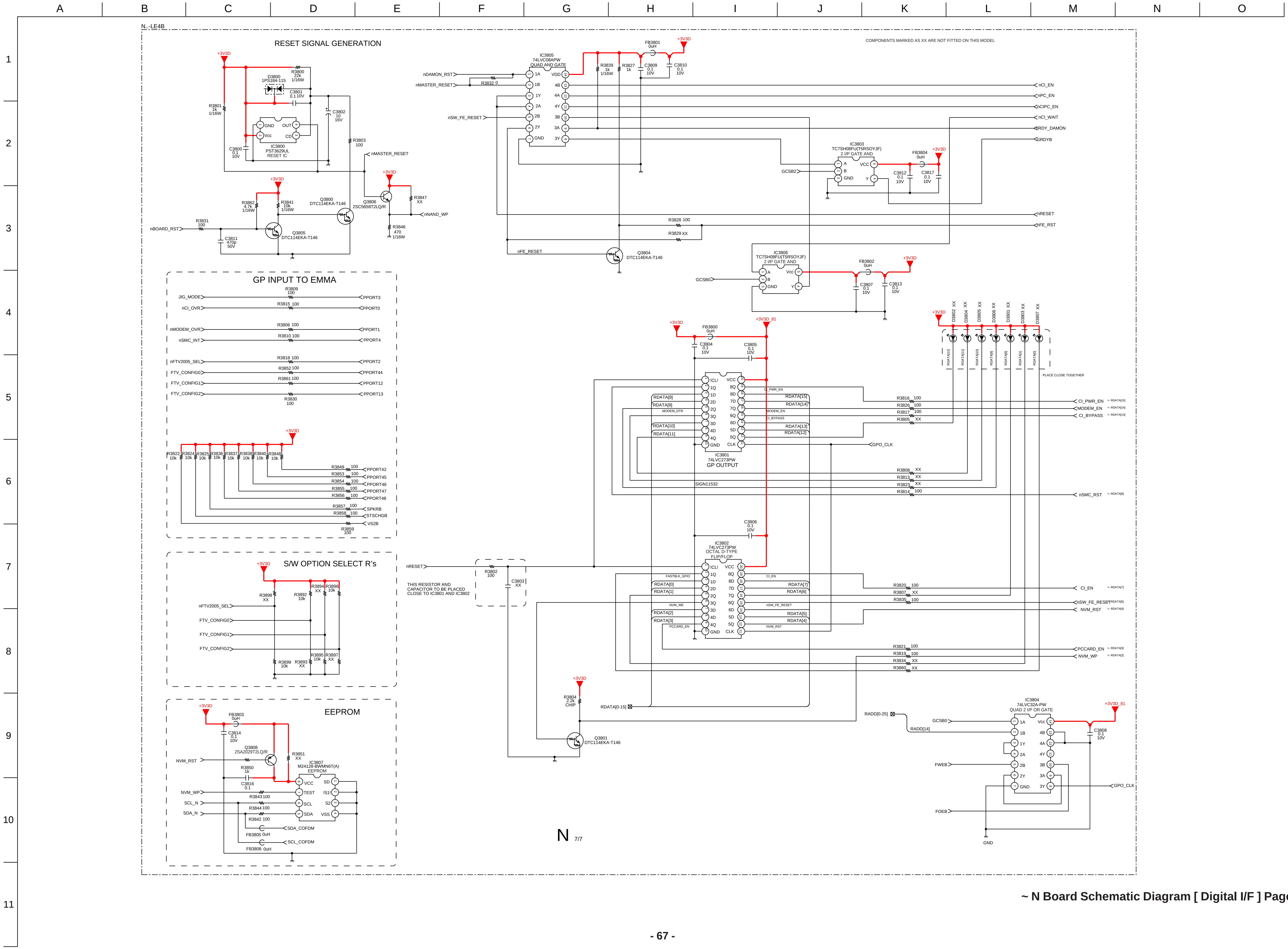
~ N Board Schematic Diagram [Digital I/F] Page 4/7 ~



~ N Board Schematic Diagram [Digital I/F] Page 5/7 ~



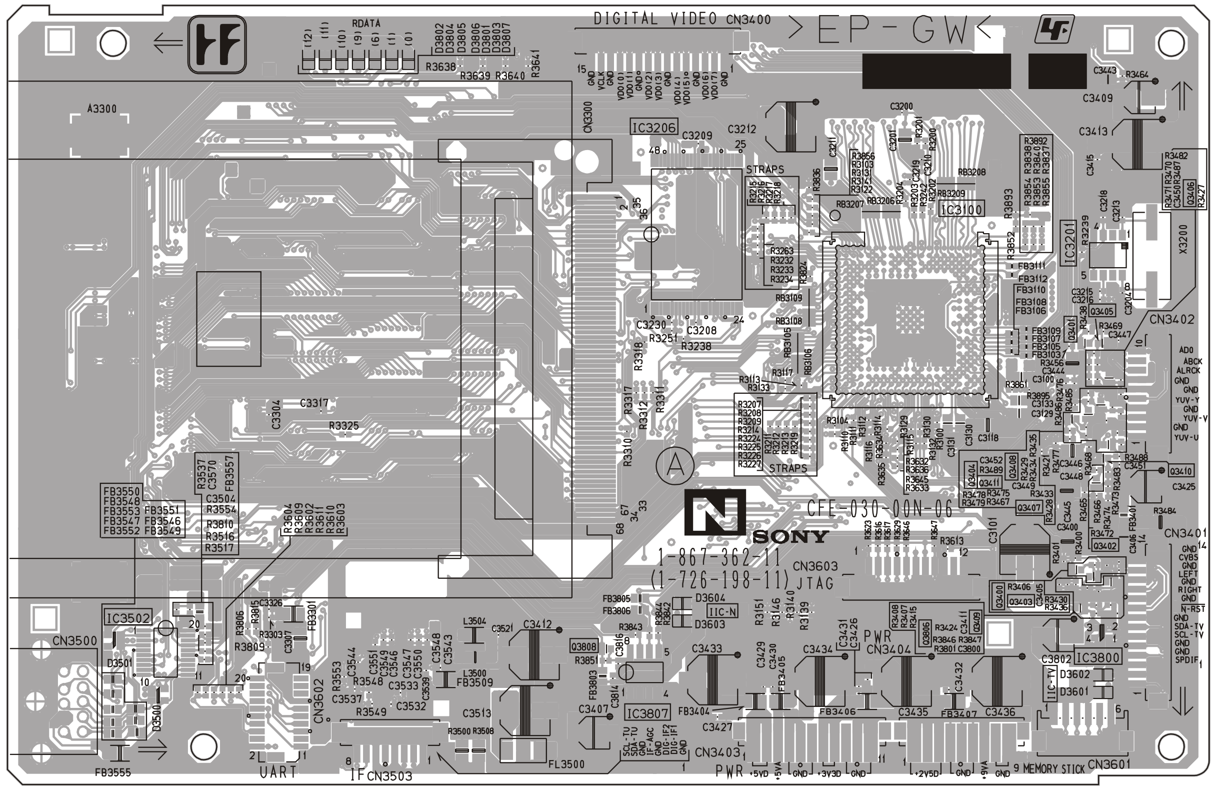
~ N Board Schematic Diagram [Digital I/F] Page 6/7 ~



~ N Board Schematic Diagram [Digital I/F] Page 7/7 ~

A B C D E F G H I J K L M N O

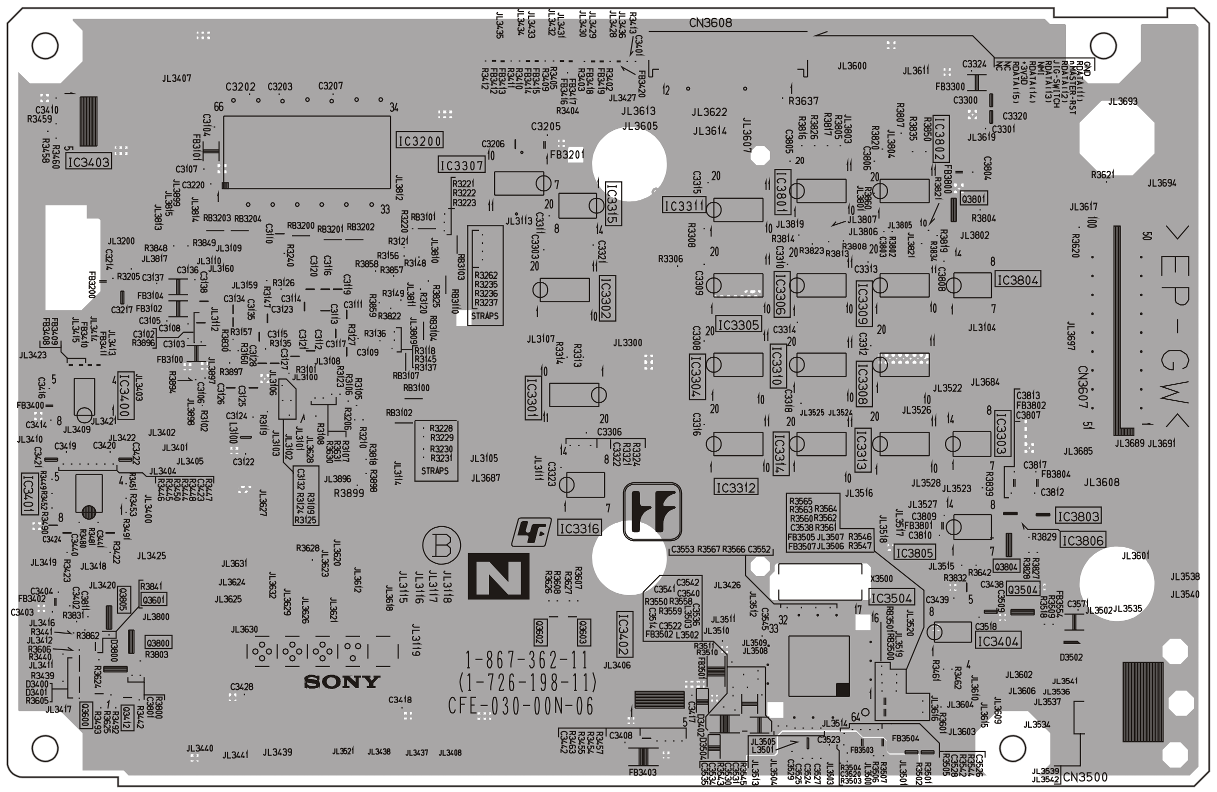
~ N Printed Wiring Board Conductor Side A ~



~ N Board Semiconductor Location Table Side A ~

DIODE		D3604	E - 4	D3805	D - 1	IC3201	G - 2	TRANSISTOR		Q3404	G - 4	Q3409	G - 4
D3501	B - 4	D3801	D - 1	D3806	D - 1	IC3205	E - 2	Q3400	G - 4	Q3405	G - 3	Q3410	H - 4
D3601	G - 5	D3802	D - 1	D3807	D - 1	IC3502	B - 4	Q3401	G - 3	Q3406	H - 2	Q3411	G - 4
D3602	G - 5	D3803	D - 1	IC		IC3800	G - 4	Q3402	G - 4	Q3407	G - 4	Q3806	F - 4
D3603	E - 4	D3804	D - 1	IC3100	G - 2	IC3807	E - 5	Q3403	G - 4	Q3408	E - 4	Q3808	E - 4

~ N Printed Wiring Board Conductor Side B ~

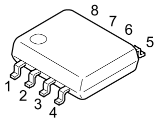


~ N Board Semiconductor Location Table Side B ~

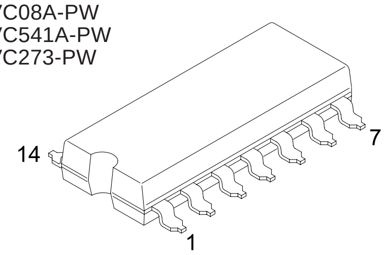
DIODE		IC3301	D - 9	IC3308	F - 8	IC3315	D - 8	IC3504	F - 10	TRANSISTOR	
D3400	B - 10	IC3302	D - 8	IC3309	F - 8	IC3316	D - 9	IC3801	E - 8	Q3412	B - 10
D3401	B - 10	IC3303	G - 9	IC3310	F - 8	IC3400	B - 9	IC3802	F - 7	Q3504	G - 10
D3402	E - 10	IC3304	E - 8	IC3311	E - 8	IC3401	B - 9	IC3803	G - 9	Q3800	B - 10
D3504	E - 10	IC3305	E - 8	IC3312	E - 9	IC3402	E - 10	IC3804	G - 8	Q3801	G - 8
IC		IC3306	F - 8	IC3313	F - 9	IC3403	B - 7	IC3805	F - 9	Q3804	G - 9
IC3200	D - 7	IC3307	D - 7	IC3314	E - 9	IC3404	G - 10	IC3806	G - 9	Q3805	B - 10

5-4. SEMICONDUCTORS

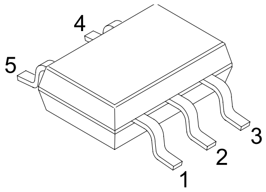
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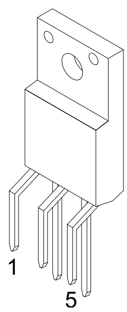
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74LVC00-PW
74LVC08A-PW
74LVC541A-PW
74LVC273-PW



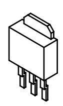
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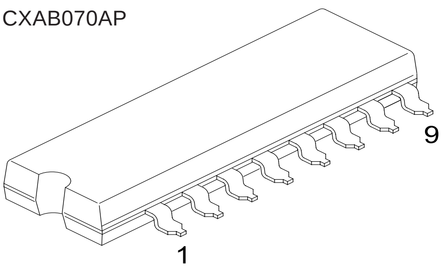
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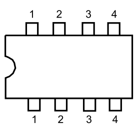
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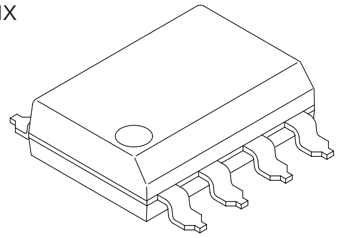
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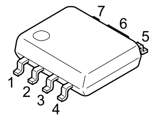
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LM393DT
LM393DT(A)
LM393N
M24C16-MN6T(A)



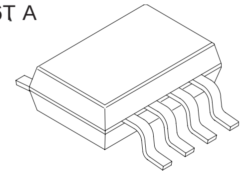
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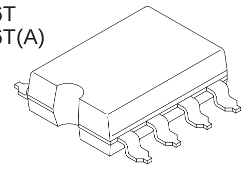
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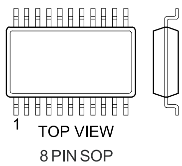
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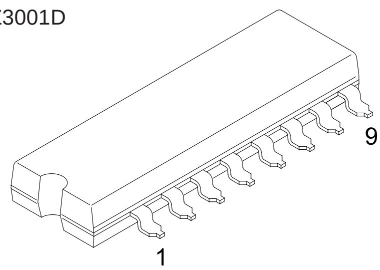
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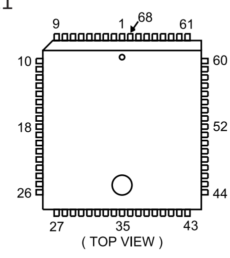
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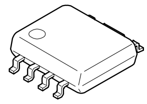
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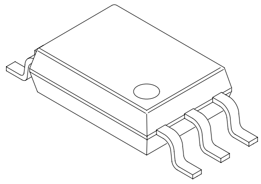
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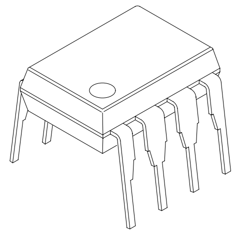
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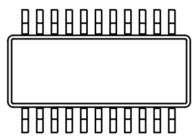
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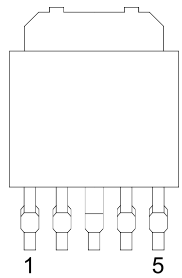
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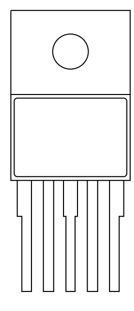
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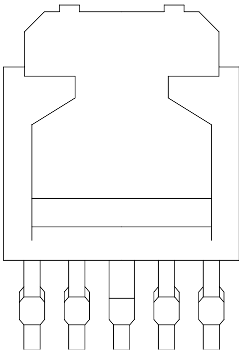
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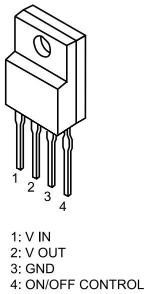
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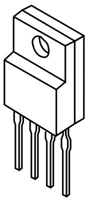
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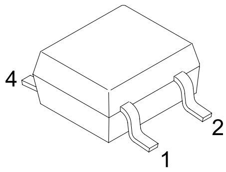
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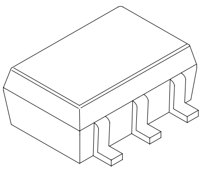
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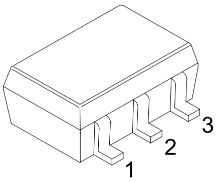
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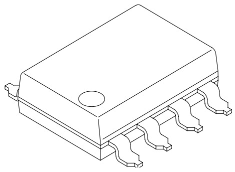
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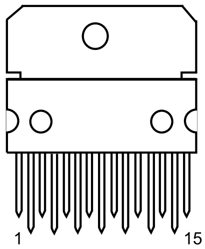
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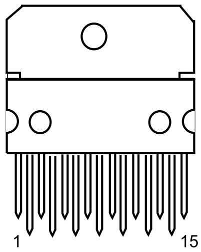
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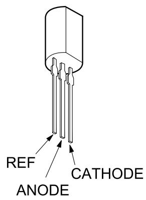
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TDA7482



UPC1093J-1-T



SECTION 6
EXPLODED VIEWS

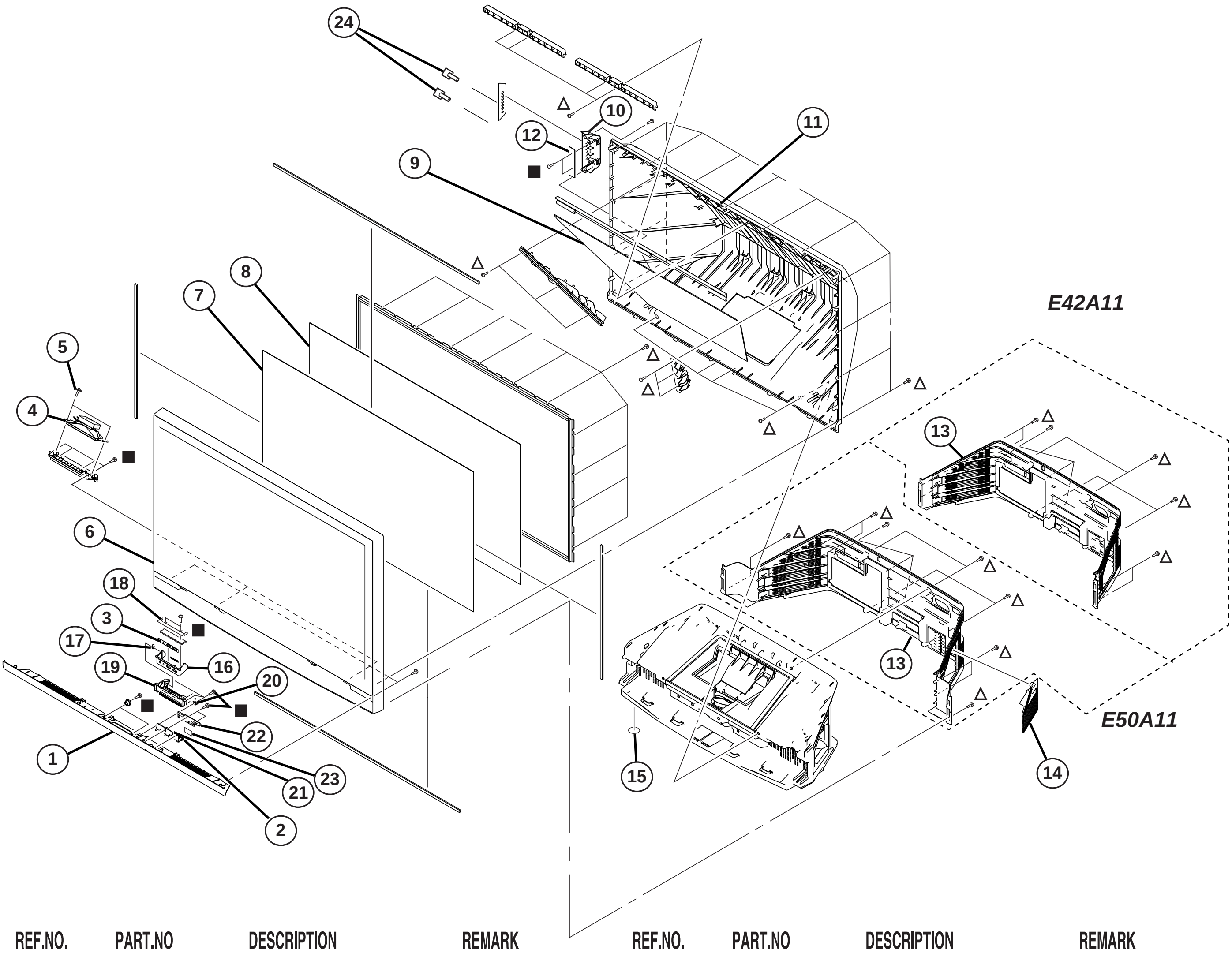
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

6-1. SCREEN MIRROR BLOCK, COVERS

■ : 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
△ : 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

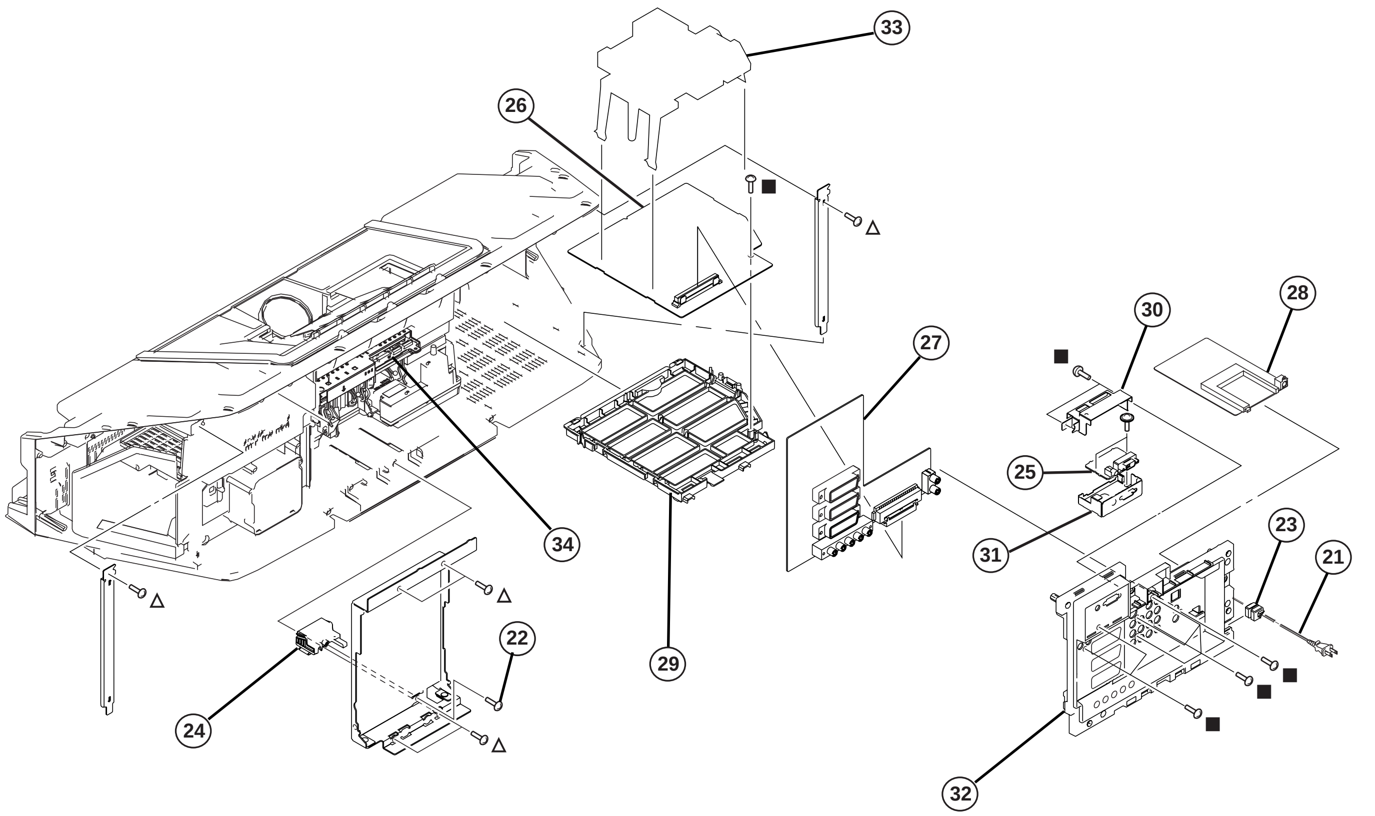


REF.NO.	PART.NO	DESCRIPTION	REMARK
1	2-631-806-31	GRILLE, SPEAKER(42) (E42A11E)	
	2-631-808-31	GRILLE, SPEAKER(50) (E50A11E)	
2	2-590-913-11	BUTTON, POWER	
3	2-590-914-11	BUTTON, MULTI	
4	1-826-219-11	LOUD SPEAKER (5.5X15CM)	
5	4-058-870-01	SCREW, (4X16) W (+) P TAPPING	
6	X-2067-166-1	FRAME ASSY SCREEN (E42A11E)	
	X-2067-114-1	FRAME ASSY SCREEN (E50A11E)	
7	2-590-449-21	PLATE (42L), DIFFUSION (E42A11E)	
	2-590-451-21	PLATE (50L), DIFFUSION (E50A11E)	
8	2-590-450-21	PLATE (42F), DIFFUSION (E42A11E)	
	2-590-452-11	PLATE (50F), DIFFUSION (E50A11E)	
9	2-592-457-12	MIRROR (E42A11E)	
	2-592-456-11	MIRROR (E50A11E)	
10	*2-649-045-01	BRACKET H3 (42) (E42A11E)	
	*2-637-136-01	BRACKET H3 (50) (E50A11E)	
11	2-590-902-32	COVER, MIRROR (42) (E42A11E)	
	2-590-907-33	COVER, MIRROR (50) (E50A11E)	
12	*A-1107-972-A	H3 BOARD COMPLETE	
13	2-631-704-11	COVER REAR (42) (E42A11E)	
	2-631-704-01	COVER REAR (50) (E50A11E)	
14	2-591-156-21	DOOR, LAMP	
15	4-097-548-01	CUSHION, FOOT	
16	*2-590-915-21	TRAY, CONTROL	
17	2-593-048-01	DAMPER	
18	2-590-916-11	TRAY, CONTROL (TOP)	
19	2-590-917-11	BRACKET, CONTROL TRAY	
20	2-593-049-01	LATCH ASSY	
21	2-590-918-21	GUIDE, LED	
22	*A-1107-970-A	H1 BOARD COMPLETE	
23	*A-1107-971-A	H2 BOARD COMPLETE	
24	4-635-966-01	SCREW (HEX)	

6-2. CHASSIS / BOTTOM BLOCK ASSEMBLY

■ : 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
△ : 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

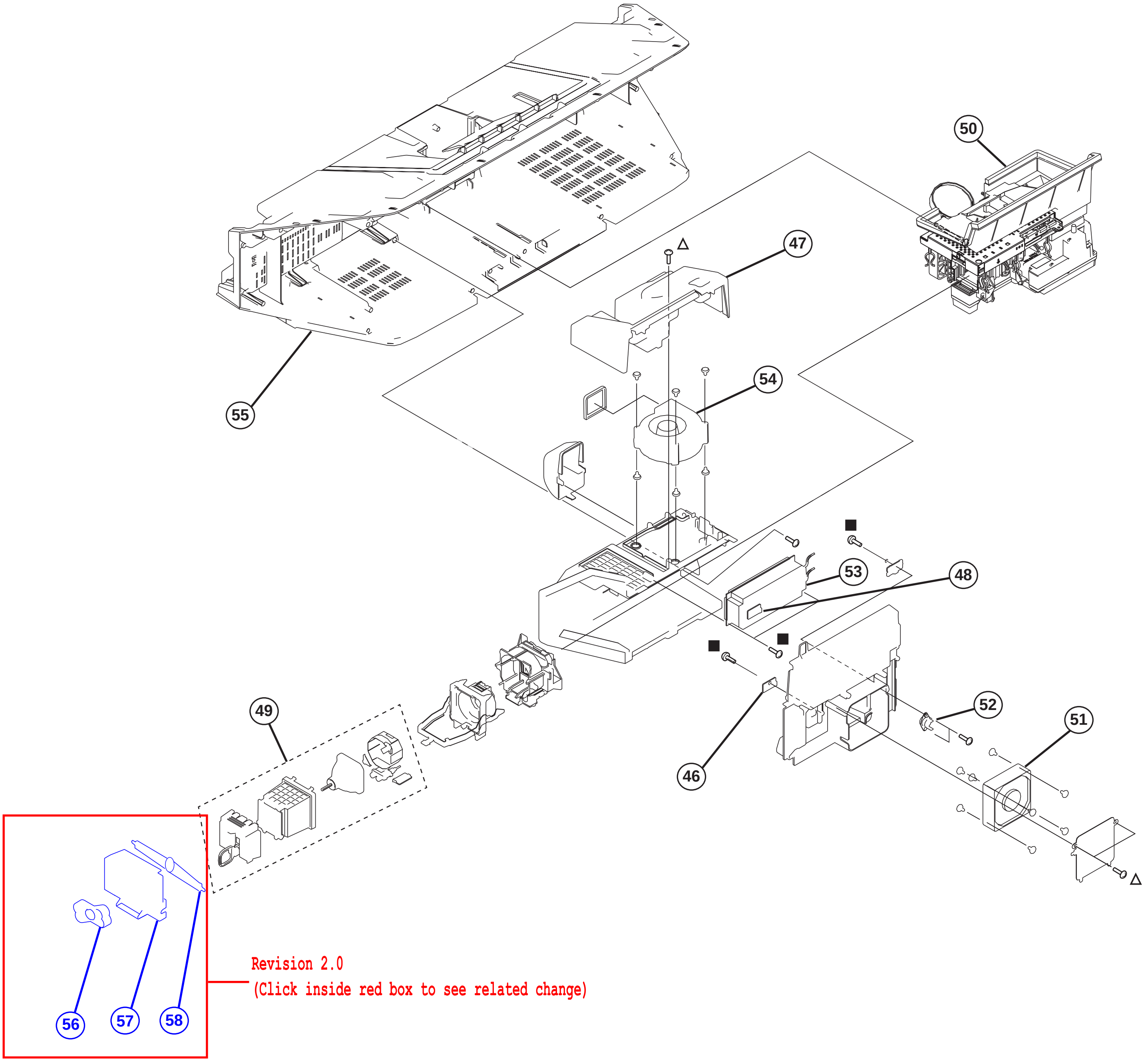


REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
21	⚠ 1-823-715-21	CORD, POWER		28	*A-1151-409-B	N COMPLETE LE4B (ZAPPING)	
22	3-701-810-72	SCREW, TERMINAL		29	*2-593-078-21	BRACKET, G	
23	4-065-070-01	HOLDER, AC CORD		30	*2-595-154-02	SHEILD (UPPER A), HDMI	
24	X-2067-113-2	BLOCK, ADJUSTER ASSY		31	*2-632-907-01	BRACKET HDMI	
25	*A-1115-078-C	P BOARD COMPLETE		32	*2-637-134-11	BRACKET, TERMINAL	
26	*A-1151-514-A	AG COMPLETE DIG ZAPPING		33	*2-637-135-02	BRACKET F	
27	*A-1129-435-A	JB WAX COMPLETE DIG		34	*A-1087-559-A	C BOARD COMPLETE	

6-3. LAMP DUCT ASSEMBLY, OPTICS UNIT BLOCK

■ : 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
△ : 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



REF.NO.	PART.NO	DESCRIPTION	REMARK
46	*A-1122-463-A	T1 MOUNT	
47	*2-590-723-21	COVER, SIROCCO FAN	
48	*A-1127-037-A	T2 MOUNT	
49	A-1127-024-A	LAMP BLOCK ASSY	
50	A-1134-461-A	OPTICS UNIT BLOCK ASSY (E50A10E/E50A10U)	
51	⚠ 1-787-373-11	D.C. FAN	
52	1-576-912-11	THERMOSTAT	
53	⚠ 1-468-936-11	POWER SUPPLY BLOCK	
54	⚠ 1-787-231-11	D.C.FAN (SIROCCO)	
55	2-630-699-11	CABINET,BOTTOM (E42A12U)	
	2-630-699-01	CABINET,BOTTOM (E50A12U)	
56	2-590-737-21	KNOB,DOOR	
57	2-590-735-11	DOOR,LAMP	
58	2-590-736-11	LEVER,LOCK	

Revision 2.0
(Click inside red box to see related change)

SECTION 7
ELECTRICAL PARTS LIST

PARTS LISTING TABLE OF CONTENTS

Note: The P Board Schematic Diagram, Printed Wiring Board and Parts List are not indicated in this manual as the PWB is regarded as a non service item for exchange only.

Note : Items marked " * " are not stocked since they are seldom required for routine service.
Some delay should be anticipated when ordering these items.
Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

*** A-1122-463-A T1 BOARD COMPLETE**

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN4306	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	

< SWITCH >

REF.NO.	PART NO.	DESCRIPTION	REMARK
S4320	1-786-591-11	SWITCH, MICRO	

*** A-1087-559-A C BOARD COMPLETE**

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1322	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1350	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1351	1-128-992-21	ELECT CHIP 47UF	20% 25V
C1366	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1375	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1376	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1377	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1378	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C1379	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1380	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1381	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1382	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1383	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1390	1-128-992-21	ELECT CHIP 47UF	20% 25V
C1398	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1399	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2046	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2047	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2048	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2049	1-117-370-11	CERAMIC CHIP 10UF	10V
C2050	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2052	1-117-370-11	CERAMIC CHIP 10UF	10V
C2072	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2501	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2502	1-117-370-11	CERAMIC CHIP 10UF	10V
C2503	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2505	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2506	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2507	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2509	1-117-370-11	CERAMIC CHIP 10UF	10V
C2510	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2512	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2513	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2514	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2515	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2516	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2517	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2518	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2519	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2520	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2521	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2522	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2523	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2524	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2527	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2529	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2530	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2531	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2551	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2552	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2553	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2554	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2555	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2556	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2557	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2558	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2601	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2602	1-117-370-11	CERAMIC CHIP 10UF	10V
C2603	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2605	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2606	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2607	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2609	1-117-370-11	CERAMIC CHIP 10UF	10V
C2610	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2612	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2613	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2615	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2616	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2617	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2618	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2619	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2620	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C2621	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2622	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2623	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2624	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2625	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2626	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2627	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2628	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2629	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2630	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2631	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2632	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2651	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2652	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2653	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2654	1-164-156-11	CERAMIC CHIP 0.1UF	25V

REF.NO.	PART NO.	DESCRIPTION		REMARK	
C2655	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2656	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2657	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2658	1-128-992-21	ELECT CHIP	47UF	20%	25V
C2659	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2661	1-128-992-21	ELECT CHIP	47UF	20%	25V
C2662	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2663	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2664	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2665	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2666	1-128-992-21	ELECT CHIP	47UF	20%	25V
C2678	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2679	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2681	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2682	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2684	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2685	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2694	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2697	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2698	1-100-159-91	CERAMIC CHIP	22UF	10%	6.3V
C2699	1-165-884-91	CERAMIC CHIP	2.2UF	10%	6.3V
C2700	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2701	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2702	1-117-370-11	CERAMIC CHIP	10UF		10V
C2703	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2705	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2706	1-164-505-11	CERAMIC CHIP	2.2UF		16V
C2707	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2709	1-117-370-11	CERAMIC CHIP	10UF		10V
C2710	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2712	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2713	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2715	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2716	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C2717	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2718	1-164-505-11	CERAMIC CHIP	2.2UF		16V
C2719	1-164-505-11	CERAMIC CHIP	2.2UF		16V
C2720	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C2721	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2722	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2723	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2724	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2725	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2726	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2727	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C2728	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2729	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2730	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2731	1-165-884-91	CERAMIC CHIP	2.2UF	10%	6.3V
C2732	1-165-989-11	CERAMIC CHIP	10UF	10%	6.3V

REF.NO.	PART NO.	DESCRIPTION		REMARK	
C2801	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2802	1-128-992-21	ELECT CHIP	47UF	20%	25V
C2804	1-128-992-21	ELECT CHIP	47UF	20%	25V
C2836	1-162-926-11	CERAMIC CHIP	82PF	5.00%	50V
C2837	1-162-926-11	CERAMIC CHIP	82PF	5.00%	50V
C2838	1-162-926-11	CERAMIC CHIP	82PF	5.00%	50V
C2839	1-162-926-11	CERAMIC CHIP	82PF	5.00%	50V
C3011	1-117-681-11	ELECT CHIP	100UF	20.00%	16V
C3013	1-117-681-11	ELECT CHIP	100UF	20.00%	16V
C3017	1-117-681-11	ELECT CHIP	100UF	20.00%	16V
C3018	1-126-204-11	ELECT CHIP	47UF	20.00%	16V
C3019	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3021	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3025	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3027	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3029	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3033	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3034	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3035	1-117-681-11	ELECT CHIP	100UF	20.00%	16V
C3037	1-117-681-11	ELECT CHIP	100UF	20.00%	16V
C3056	1-117-681-11	ELECT CHIP	100UF	20.00%	16V
C3057	1-126-204-11	ELECT CHIP	47UF	20.00%	16V
C3061	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C3062	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C3101	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3102	1-115-156-11	CERAMIC CHIP	1UF		10V
C3103	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3104	1-124-779-00	ELECT CHIP	10UF	20.00%	16V
C3105	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C3106	1-126-204-11	ELECT CHIP	47UF	20.00%	16V
C3201	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V
C3202	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V
C3203	1-165-989-11	CERAMIC CHIP	10UF	10%	6.3V
C3204	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V
C3205	1-165-989-11	CERAMIC CHIP	10UF	10%	6.3V
C3206	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V
C3207	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V
C3208	1-165-989-11	CERAMIC CHIP	10UF	10%	6.3V
C3209	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V
C3210	1-100-597-91	CERAMIC CHIP	0.1UF	10%	25V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION
CN1306	* 1-691-591-11	PIN, CONNECTOR (1.5MM) (SMD)8P
CN2551	* 1-818-761-11	FFC/FPC CONNECTOR (ZIF) 32P
CN2601	* 1-818-761-11	FFC/FPC CONNECTOR (ZIF) 32P
CN2651	* 1-818-761-11	FFC/FPC CONNECTOR (ZIF) 32P
CN3002	* 1-760-388-11	CONNECTOR PIN (SMD) 9P
CN3004	* 1-695-223-21	PIN, CONNECTOR (SMD) 10P

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN3200	* 1-819-817-11	CONNECTOR (RECEPTACLE) 14P	
CN3201	1-694-981-21	EARTH TERMINAL (SMD)	
CN3202	1-694-981-21	EARTH TERMINAL (SMD)	
		< DIODE >	
D1320	8-719-069-55	DIODE UDZSTE-175.6B	
D1321	6-500-697-01	DIODE UDZSTE-173.3B	
		< FERRITE BEAD >	
FB2010	1-414-921-11	FERRITE 0UH	
FB2012	1-414-921-11	FERRITE 0UH	
FB2501	1-414-921-11	FERRITE 0UH	
FB2502	1-414-921-11	FERRITE 0UH	
FB2504	1-414-921-11	FERRITE 0UH	
FB2505	1-414-921-11	FERRITE 0UH	
FB2506	1-414-921-11	FERRITE 0UH	
FB2601	1-414-921-11	FERRITE 0UH	
FB2602	1-414-921-11	FERRITE 0UH	
FB2603	1-414-921-11	FERRITE 0UH	
FB2604	1-414-921-11	FERRITE 0UH	
FB2651	1-414-921-11	FERRITE 0UH	
FB2653	1-414-921-11	FERRITE 0UH	
FB2654	1-414-921-11	FERRITE 0UH	
FB2701	1-414-921-11	FERRITE 0UH	
FB2702	1-414-921-11	FERRITE 0UH	
FB2704	1-414-921-11	FERRITE 0UH	
FB3201	1-414-921-11	FERRITE 0UH	
FB3202	1-414-921-11	FERRITE 0UH	
FB3203	1-414-921-11	FERRITE 0UH	
		< FILTER >	
FL3001	1-233-830-11	FERRITE 37UH	
FL3003	1-233-830-11	FERRITE 37UH	
FL3007	1-233-830-11	FERRITE 37UH	
FL3008	1-233-830-11	FERRITE 37UH	
		< IC >	
IC1300	8-759-369-73	IC NJM4556AM	
IC1301	8-759-701-01	IC NJM2904M	
IC1302	8-759-701-01	IC NJM2904M	
IC2006	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC2007	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC2009	8-759-476-80	IC LM75CIMX-3	
IC2501	8-752-106-13	IC CXA7001R-T6	
IC2601	8-752-106-13	IC CXA7001R-T6	
IC2614	6-706-960-01	IC CXD9809GF	
IC2701	8-752-106-13	IC CXA7001R-T6	
IC2801	8-759-388-31	IC PQ20VZ1UJ00H	
IC3101	6-703-695-01	IC S-80827CNMC-B8MT2G	
IC3102	6-700-319-01	IC M24128-BWMN6T	

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC3200	6-701-870-01	IC THC63LVDF84B-T	
		< JUMPER RESISTOR >	
JR3000	1-216-864-11	SHORT CHIP 0	
JR3001	1-216-864-11	SHORT CHIP 0	
JR3002	1-216-864-11	SHORT CHIP 0	
JR3003	1-216-864-11	SHORT CHIP 0	
JR3004	1-216-864-11	SHORT CHIP 0	
JR3005	1-216-864-11	SHORT CHIP 0	
JR3006	1-216-864-11	SHORT CHIP 0	
JR3007	1-216-864-11	SHORT CHIP 0	
JR3008	1-216-864-11	SHORT CHIP 0	
JR3009	1-216-864-11	SHORT CHIP 0	
JR3010	1-216-864-11	SHORT CHIP 0	
JR3011	1-216-864-11	SHORT CHIP 0	
JR3012	1-216-864-11	SHORT CHIP 0	
JR3013	1-216-864-11	SHORT CHIP 0	
JR3014	1-216-864-11	SHORT CHIP 0	
JR3015	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L1300	1-414-754-11	INDUCTOR 10UH	
L1310	1-414-754-11	INDUCTOR 10UH	
L2004	1-414-754-11	INDUCTOR 10UH	
L2501	1-414-754-11	INDUCTOR 10UH	
L2502	1-414-754-11	INDUCTOR 10UH	
L2504	1-414-754-11	INDUCTOR 10UH	
L2505	1-414-754-11	INDUCTOR 10UH	
L2506	1-414-754-11	INDUCTOR 10UH	
L2601	1-414-754-11	INDUCTOR 10UH	
L2602	1-414-754-11	INDUCTOR 10UH	
L2603	1-414-754-11	INDUCTOR 10UH	
L2604	1-414-754-11	INDUCTOR 10UH	
L2605	1-414-754-11	INDUCTOR 10UH	
L2606	1-469-549-21	INDUCTOR 1UH	
L2607	1-469-549-21	INDUCTOR 1UH	
L2651	1-414-754-11	INDUCTOR 10UH	
L2652	1-414-754-11	INDUCTOR 10UH	
L2701	1-414-754-11	INDUCTOR 10UH	
L2702	1-414-754-11	INDUCTOR 10UH	
L2704	1-414-754-11	INDUCTOR 10UH	
L3001	1-409-556-11	INDUCTOR 47UH	
L3004	1-409-556-11	INDUCTOR 47UH	
L3011	1-409-556-11	INDUCTOR 47UH	
L3012	1-409-556-11	INDUCTOR 47UH	
L3101	1-412-029-11	INDUCTOR 10UH	
L3201	1-456-583-11	INDUCTOR 0UH	
L3202	1-456-583-11	INDUCTOR 0UH	
L3203	1-456-583-11	INDUCTOR 0UH	

REF.NO.	PART NO.	DESCRIPTION	REMARK
L3204	1-456-583-11	INDUCTOR 0UH	
L3205	1-456-583-11	INDUCTOR 0UH	
		< TRANSISTOR >	
Q1300	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2502	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2504	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2602	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2604	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2606	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2702	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2704	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q3101	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
Q3102	8-729-027-23	TRANSISTOR DTA114EKA-T146	
		< RESISTOR >	
R1300	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1301	1-216-864-11	SHORT CHIP 0	
R1302	1-216-864-11	SHORT CHIP 0	
R1303	1-216-864-11	SHORT CHIP 0	
R1304	1-216-864-11	SHORT CHIP 0	
R1305	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1334	1-216-864-11	SHORT CHIP 0	
R1336	1-216-797-11	METAL CHIP 10 5% 1/10W	
R1337	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1338	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1339	1-218-845-11	METAL CHIP 820 0.5% 1/10W	
R1344	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1348	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1350	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1352	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R1353	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1354	1-216-864-11	SHORT CHIP 0	
R1355	1-216-819-11	METAL CHIP 680 5% 1/10W	
R1356	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R1358	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1359	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1361	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1363	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1365	1-218-897-11	METAL CHIP 120K 0.5% 1/10W	
R1366	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R1367	1-218-895-11	METAL CHIP 100K 0.5% 1/10W	
R1368	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1369	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1370	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R1371	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1372	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1373	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R1374	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1387	1-216-841-11	METAL CHIP 47K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1398	1-216-864-11	SHORT CHIP 0	
R1399	1-216-864-11	SHORT CHIP 0	
R2059	1-216-864-11	SHORT CHIP 0	
R2060	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2061	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2062	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2063	1-216-864-11	SHORT CHIP 0	
R2064	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2065	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2066	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2067	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2073	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2074	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2077	1-216-864-11	SHORT CHIP 0	
R2078	1-216-864-11	SHORT CHIP 0	
R2079	1-216-864-11	SHORT CHIP 0	
R2094	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2095	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2501	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2502	1-216-864-11	SHORT CHIP 0	
R2503	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2504	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2505	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2506	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2507	1-216-864-11	SHORT CHIP 0	
R2508	1-216-864-11	SHORT CHIP 0	
R2509	1-216-864-11	SHORT CHIP 0	
R2511	1-216-864-11	SHORT CHIP 0	
R2512	1-216-864-11	SHORT CHIP 0	
R2513	1-218-859-11	METAL CHIP 3.3K 0.5% 1/10W	
R2514	1-218-845-11	METAL CHIP 820 0.5% 1/10W	
R2516	1-218-863-11	METAL CHIP 4.7K 0.5% 1/10W	
R2517	1-218-863-11	METAL CHIP 4.7K 0.5% 1/10W	
R2519	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R2520	1-216-864-11	SHORT CHIP 0	
R2521	1-216-864-11	SHORT CHIP 0	
R2523	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2524	1-216-864-11	SHORT CHIP 0	
R2525	1-216-864-11	SHORT CHIP 0	
R2526	1-216-864-11	SHORT CHIP 0	
R2529	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R2537	1-216-804-11	METAL CHIP 39 5% 1/10W	
R2538	1-216-804-11	METAL CHIP 39 5% 1/10W	
R2541	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2543	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2545	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2548	1-216-789-11	METAL CHIP 2.2 5% 1/10W	
R2549	1-216-789-11	METAL CHIP 2.2 5% 1/10W	
R2553	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2601	1-216-833-11	METAL CHIP 10K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R2602	1-216-864-11	SHORT CHIP	0			
R2603	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2604	1-216-813-11	METAL CHIP	220	5%	1/10W	
R2605	1-216-864-11	SHORT CHIP	0			
R2606	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2607	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2608	1-216-864-11	SHORT CHIP	0			
R2610	1-216-864-11	SHORT CHIP	0			
R2612	1-216-864-11	SHORT CHIP	0			
R2613	1-216-864-11	SHORT CHIP	0			
R2614	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R2615	1-218-845-11	METAL CHIP	820	0.5%	1/10W	
R2617	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R2618	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R2619	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R2620	1-216-864-11	SHORT CHIP	0			
R2621	1-216-864-11	SHORT CHIP	0			
R2624	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2625	1-216-864-11	SHORT CHIP	0			
R2626	1-216-864-11	SHORT CHIP	0			
R2627	1-216-864-11	SHORT CHIP	0			
R2630	1-216-864-11	SHORT CHIP	0			
R2631	1-216-864-11	SHORT CHIP	0			
R2632	1-216-864-11	SHORT CHIP	0			
R2633	1-216-804-11	METAL CHIP	39	5%	1/10W	
R2634	1-216-804-11	METAL CHIP	39	5%	1/10W	
R2635	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	
R2636	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R2638	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R2642	1-216-797-11	METAL CHIP	10	5%	1/10W	
R2644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R2646	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R2649	1-216-789-11	METAL CHIP	2.2	5%	1/10W	
R2650	1-216-789-11	METAL CHIP	2.2	5%	1/10W	
R2656	1-216-797-11	METAL CHIP	10	5%	1/10W	
R2665	1-216-864-11	SHORT CHIP	0			
R2668	1-216-864-11	SHORT CHIP	0			
R2674	1-216-864-11	SHORT CHIP	0			
R2677	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2701	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2702	1-216-864-11	SHORT CHIP	0			
R2703	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2704	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2705	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2706	1-216-864-11	SHORT CHIP	0			
R2707	1-216-864-11	SHORT CHIP	0			
R2708	1-216-864-11	SHORT CHIP	0			
R2710	1-216-864-11	SHORT CHIP	0			
R2711	1-216-864-11	SHORT CHIP	0			
R2712	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R2713	1-218-845-11	METAL CHIP	820	0.5%	1/10W	
R2715	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R2716	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R2717	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R2718	1-216-864-11	SHORT CHIP	0			
R2719	1-216-864-11	SHORT CHIP	0			
R2722	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2723	1-216-864-11	SHORT CHIP	0			
R2724	1-216-864-11	SHORT CHIP	0			
R2725	1-216-864-11	SHORT CHIP	0			
R2728	1-216-804-11	METAL CHIP	39	5%	1/10W	
R2729	1-216-804-11	METAL CHIP	39	5%	1/10W	
R2730	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2731	1-216-801-11	METAL CHIP	22	5%	1/10W	
R2732	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2733	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	
R2734	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2735	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2736	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2737	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2738	1-216-864-11	SHORT CHIP	0			
R2739	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2740	1-216-797-11	METAL CHIP	10	5%	1/10W	
R2741	1-216-864-11	SHORT CHIP	0			
R2742	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R2743	1-216-805-11	METAL CHIP	47	5%	1/10W	
R2744	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R2745	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2746	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2747	1-216-789-11	METAL CHIP	2.2	5%	1/10W	
R2748	1-216-789-11	METAL CHIP	2.2	5%	1/10W	
R2749	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2750	1-216-797-11	METAL CHIP	10	5%	1/10W	
R2751	1-216-813-11	METAL CHIP	220	5%	1/10W	
R2752	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2753	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2754	1-216-864-11	SHORT CHIP	0			
R2801	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R2802	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R2803	1-216-864-11	SHORT CHIP	0			
R3017	1-216-864-11	SHORT CHIP	0			
R3019	1-216-864-11	SHORT CHIP	0			
R3026	1-216-864-11	SHORT CHIP	0			
R3027	1-216-864-11	SHORT CHIP	0			
R3101	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R3102	1-216-819-11	METAL CHIP	680	5%	1/10W	
R3104	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3106	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3107	1-216-805-11	METAL CHIP	47	5%	1/10W	
R3109	1-216-833-11	METAL CHIP	10K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R3110	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R3111	1-216-805-11	METAL CHIP 47 5% 1/10W	
R3113	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R3176	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R3200	1-218-668-11	METAL CHIP 100 0.5% 1/10W	
R3201	1-218-668-11	METAL CHIP 100 0.5% 1/10W	
R3202	1-218-668-11	METAL CHIP 100 0.5% 1/10W	
R3203	1-216-801-11	METAL CHIP 22 5% 1/10W	
R3204	1-218-668-11	METAL CHIP 100 0.5% 1/10W	
R3205	1-218-668-11	METAL CHIP 100 0.5% 1/10W	
R3206	1-216-801-11	METAL CHIP 22 5% 1/10W	
R3207	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R3208	1-216-805-11	METAL CHIP 47 5% 1/10W	
		< RESISTOR CHIP >	
RB2013	1-233-796-11	RES, NETWORK (1608)	
RB2501	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2502	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2503	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2553	1-233-782-91	RES, NETWORK 10 (1608)	
RB2601	1-233-782-91	RES, NETWORK 10 (1608)	
RB2602	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2603	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2604	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2629	1-233-785-91	RES, NETWORK 100 (1608)	
RB2630	1-233-785-91	RES, NETWORK 100 (1608)	
RB2631	1-233-785-91	RES, NETWORK 100 (1608)	
RB2633	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB2634	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB2635	1-233-785-91	RES, NETWORK 100 (1608)	
RB2636	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB2637	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB2640	1-233-785-91	RES, NETWORK 100 (1608)	
RB2641	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB2642	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB2653	1-233-782-91	RES, NETWORK 10 (1608)	
RB2701	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2702	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB2703	1-233-574-11	RES, CHIP NETWORK 10 (3216)	
RB3102	1-233-784-91	RES, NETWORK 47 (1608)	
RB3104	1-233-789-11	RES, NETWORK 10K (1608)	
RB3201	1-233-575-11	RES, CHIP NETWORK 22 (3216)	
RB3202	1-233-575-11	RES, CHIP NETWORK 22 (3216)	
RB3203	1-233-575-11	RES, CHIP NETWORK 22 (3216)	
RB3204	1-233-575-11	RES, CHIP NETWORK 22 (3216)	
RB3205	1-233-575-11	RES, CHIP NETWORK 22 (3216)	
RB3206	1-233-796-11	RES, NETWORK (1608)	
RB3207	1-233-796-11	RES, NETWORK (1608)	
RB3208	1-233-796-11	RES, NETWORK (1608)	
RB3209	1-233-575-11	RES, CHIP NETWORK 22 (3216)	

* A-1127-037-A T2 BOARD COMPLETE

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< CONNECTOR >	
CN4340	* 1-564-518-11	PLUG, CONNECTOR 3P	
		< SWITCH >	
S4340	1-786-591-11	SWITCH, MICRO	

* A-1107-972-A H3 BOARD COMPLETE

REF.NO.	PART NO.	DESCRIPTION	REMARK
A9001	* 4-042-408-02	PIN(45), WIRE	
		< CAPACITOR >	
C3856	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C3857	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C4300	1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
C4301	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C4303	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C4305	1-162-968-11	CERAMIC CHIP 0.0047UF 10.00% 50V	
C4307	1-162-968-11	CERAMIC CHIP 0.0047UF 10.00% 50V	
C4309	1-162-927-11	CERAMIC CHIP 100PF 5.00% 50V	
		< CONNECTOR >	
CN4300	1-784-828-11	CONNECTOR, D SUB	
CN4301	1-564-509-11	PLUG, CONNECTOR 6P	
CN4302	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)11P	
CN4303	* 1-816-979-51	PLUG, CONNECTOR 8P	
CN4304	1-565-666-12	TERMINAL, S 4P	
CN4305	* 1-564-507-11	PLUG, CONNECTOR 4P	
		< DIODE >	
D4300	8-719-069-55	DIODE UDZSTE-175.6B	
D4301	8-719-016-73	DIODE STZ6.8T	
D4302	8-719-016-73	DIODE STZ6.8T	
D4303	8-719-016-73	DIODE STZ6.8T	
D4304	8-719-016-73	DIODE STZ6.8T	
D4305	8-719-016-73	DIODE STZ6.8T	
D4306	8-719-016-73	DIODE STZ6.8T	
D4307	8-719-069-55	DIODE UDZSTE-175.6B	
D4308	8-719-069-55	DIODE UDZSTE-175.6B	
D4309	8-719-069-55	DIODE UDZSTE-175.6B	
D4310	8-719-069-55	DIODE UDZSTE-175.6B	
D4311	8-719-069-55	DIODE UDZSTE-175.6B	
D4312	8-719-069-55	DIODE UDZSTE-175.6B	
D4313	8-719-069-55	DIODE UDZSTE-175.6B	
		< FERRITE BEAD >	
FB4300	1-414-813-11	FERRITE 0UH	

REF.NO.	PART NO.	DESCRIPTION				REMARK
		< FILTER >				
FL4300	1-239-897-22	FERRITE	0UH			
FL4301	1-239-897-22	FERRITE	0UH			
FL4302	1-239-897-22	FERRITE	0UH			
		< IC >				
IC4300	8-759-661-55	IC ST24FC21M6TR				
		< SOCKET >				
J4300	1-580-443-11	JACK, PIN 3P				
J4301	1-566-822-21	JACK				
J4302	1-568-267-11	JACK				
		< COIL >				
L4301	1-414-189-31	INDUCTOR	100UH			
L4302	1-414-189-31	INDUCTOR	100UH			
L4303	1-410-985-42	INDUCTOR	0.22UH			
		< TRANSISTOR >				
Q4300	8-729-010-05	TRANSISTOR MSB709-RT1				
		< RESISTOR >				
R3881	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R3883	1-216-853-11	METAL CHIP	470K	5%	1/10W	
R3889	1-216-864-11	SHORT CHIP	0			
R3890	1-216-864-11	SHORT CHIP	0			
R3891	1-216-864-11	SHORT CHIP	0			
R3892	1-216-864-11	SHORT CHIP	0			
R3893	1-216-864-11	SHORT CHIP	0			
R4300	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R4301	1-216-805-11	METAL CHIP	47	5%	1/10W	
R4302	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R4303	1-216-805-11	METAL CHIP	47	5%	1/10W	
R4304	1-216-813-11	METAL CHIP	220	5%	1/10W	
R4305	1-216-805-11	METAL CHIP	47	5%	1/10W	
R4307	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R4308	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R4312	1-216-864-11	SHORT CHIP	0			
R4313	1-216-864-11	SHORT CHIP	0			
R4314	1-216-805-11	METAL CHIP	47	5%	1/10W	
R4315	1-216-805-11	METAL CHIP	47	5%	1/10W	
R4316	1-216-864-11	SHORT CHIP	0			
R4317	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R4318	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R4321	1-216-864-11	SHORT CHIP	0			
R4322	1-216-864-11	SHORT CHIP	0			
R4323	1-216-864-11	SHORT CHIP	0			

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< VARISTOR >	
VDR4300	1-803-974-21	VARISTOR, CHIP	(1608)
VDR4301	1-803-974-21	VARISTOR, CHIP	(1608)

* A-1129-435-A JB_WAX COMPLETE DIG

REF.NO.	PART NO.	DESCRIPTION			
	* 2-109-150-01	SHEET, RADIATION			
	4-087-203-01	PLASTIC RIVET			
		< CAPACITOR >			
C1000	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C1001	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C1002	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C1003	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C1004	1-124-779-00	ELECT CHIP	10UF	20.00%	16V
C1005	1-124-779-00	ELECT CHIP	10UF	20.00%	16V
C1006	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1007	1-124-779-00	ELECT CHIP	10UF	20.00%	16V
C1008	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1009	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1010	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1011	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1012	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1014	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1015	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1016	1-164-874-11	CERAMIC CHIP	100PF	5.00%	50V
C1017	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1018	1-164-874-11	CERAMIC CHIP	100PF	5.00%	50V
C1019	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
C1020	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1021	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
C1022	1-164-874-11	CERAMIC CHIP	100PF	5.00%	50V
C1023	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1024	1-164-874-11	CERAMIC CHIP	100PF	5.00%	50V
C1028	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C1029	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C1032	1-125-777-11	CERAMIC CHIP	0.1UF	10.00%	10V
C1037	1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
C1050	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C2500	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C2501	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C2502	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C2504	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C2505	1-126-396-11	ELECT CHIP	47UF	20.00%	16V
C2506	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C2507	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2508	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C2509	1-125-889-91	CERAMIC CHIP	2.2UF	10%	10V
C2510	1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C2511	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C2516	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2517	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2518	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C2519	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2520	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2521	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2522	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2523	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2524	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2526	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2527	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2528	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2529	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C2530	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2531	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2532	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2533	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2534	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2535	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2536	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2537	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2543	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2550	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2551	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2552	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2553	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2554	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2555	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2558	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2559	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2560	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2591	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2603	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5000	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5001	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5003	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5004	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5005	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5006	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5007	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5009	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5010	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5012	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5013	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5014	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5015	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5017	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5018	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5019	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5020	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5021	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5022	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5024	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5026	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5027	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5028	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5029	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5030	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5031	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5032	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5033	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5034	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5035	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5036	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5037	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5038	1-162-918-11	CERAMIC CHIP 18PF	5.00% 50V
C5039	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5040	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5041	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5042	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C5043	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5044	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
C5045	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C5046	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5047	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5048	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5049	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5050	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5051	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5052	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5058	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5059	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5060	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5061	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5062	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5063	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5064	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5065	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5066	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5067	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5068	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5069	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5070	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5071	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5072	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5073	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5074	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5075	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5076	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5077	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C5078	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5079	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C5080	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C5081	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5082	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5083	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5084	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5085	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5086	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5087	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5088	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5089	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5090	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5091	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5092	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5093	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5094	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5095	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5096	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5097	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5100	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5101	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5102	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5103	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5104	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5105	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5106	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5107	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5108	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5109	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5110	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5111	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5112	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5113	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5114	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5115	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5116	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5117	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5500	1-126-197-11	ELECT CHIP 10UF	20.00% 50V
C5501	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5502	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5503	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5504	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5505	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5507	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5508	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5509	1-126-197-11	ELECT CHIP 10UF	20.00% 50V
C5510	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5511	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5512	1-162-974-11	CERAMIC CHIP 0.01UF	50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C5513	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5514	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C5515	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C5516	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5700	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5701	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C5702	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C5703	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C5704	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C5705	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5706	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5707	1-165-671-21	ELECT CHIP 470UF	20% 6.3V
C5709	1-165-671-21	ELECT CHIP 470UF	20% 6.3V
C5720	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5721	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5722	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5723	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5724	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5725	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5726	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5727	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5728	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5729	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5730	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5731	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5740	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5741	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C5742	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5743	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C6370	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6371	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6372	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C6373	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6374	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6375	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6376	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6398	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6399	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6500	1-164-346-11	CERAMIC CHIP 1UF	16V
C6501	1-164-346-11	CERAMIC CHIP 1UF	16V
C7590	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C7591	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C7800	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C7815	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C7817	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7818	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7819	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7821	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7822	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7825	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C7826	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7827	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7828	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7830	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7831	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7833	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V
C7834	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C7835	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C7836	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C7838	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C7839	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7840	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7841	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7842	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7844	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7845	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7846	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7847	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7849	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C7850	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7851	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C7852	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C7853	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7993	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C7994	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C8535	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C9001	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9004	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9500	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9502	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9504	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9506	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9512	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9513	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9514	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9515	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9520	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9521	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9522	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9523	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9524	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9539	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9540	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9541	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C9542	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9543	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9559	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9560	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9561	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C9562	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9563	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9565	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9567	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9568	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9569	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9570	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C9581	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9583	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9585	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9586	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9587	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9588	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9590	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C9591	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C9593	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9594	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9596	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9597	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9598	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9600	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9601	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9602	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9603	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C9604	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9605	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9615	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9616	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9617	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9620	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9621	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9622	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9623	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9641	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9652	1-164-346-11	CERAMIC CHIP 1UF	16V
C9653	1-164-346-11	CERAMIC CHIP 1UF	16V
C9654	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C9655	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C9656	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C9657	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN5402	1-580-789-22	PIN, CONNECTOR (SMD) 6P	
CN5404	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P	
CN8550	1-764-079-21	PIN, CONNECTOR (PC BOARD) 4P	
CN8551	* 1-695-890-21	PIN, CONNECTOR (PC BOARD) 12P	
CN9500	1-695-549-11	SOCKET, PIN 21P	
CN9501	1-695-549-11	SOCKET, PIN 21P	
CN9505	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P	
CN9506	1-695-889-21	PIN, CONNECTOR (PC BOARD) 10P	
CN9507	* 1-779-268-21	PIN, CONNECTOR (1.5MM)(SMD)11P	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

JB

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN9508	* 1-573-768-21	PIN, CONNECTOR (1.5MM) (SMD)5P	
CN9509	1-573-290-21	PIN, CONNECTOR (1.5MM) (SMD)4P	
CN9510	* 1-819-817-11	CONNECTOR (RECEPTACLE) 14P	
CN9511	* 1-695-210-21	PIN, CONNECTOR (PC BOARD) 15P	
CN9512	* 1-793-497-11	CONNECTOR, BOARD TO BOARD 40P	
CN9513	1-573-806-21	PIN, CONNECTOR (1.5MM) (SMD)6P	
CN9514	* 1-764-080-21	PIN, CONNECTOR (PC BOARD) 8P	
		< DIODE >	
D2501	8-719-081-97	DIODE MMDL914T1	
D2502	8-719-081-97	DIODE MMDL914T1	
D2503	8-719-081-97	DIODE MMDL914T1	
D5701	8-719-073-34	DIODE EC21QS03L-TE12L	
D5703	8-719-073-34	DIODE EC21QS03L-TE12L	
D5704	6-500-020-01	DIODE MM3Z4V3ST1	
D5705	6-500-020-01	DIODE MM3Z4V3ST1	
D7807	8-719-069-60	DIODE UDZSTE-179.1B	
D9500	8-719-069-60	DIODE UDZSTE-179.1B	
D9501	8-719-083-63	DIODE UDZSTE-1713B	
D9502	8-719-069-55	DIODE UDZSTE-175.6B	
D9503	8-719-069-60	DIODE UDZSTE-179.1B	
D9504	8-719-069-55	DIODE UDZSTE-175.6B	
D9505	8-719-069-60	DIODE UDZSTE-179.1B	
D9506	8-719-069-55	DIODE UDZSTE-175.6B	
D9507	8-719-069-60	DIODE UDZSTE-179.1B	
D9508	8-719-083-63	DIODE UDZSTE-1713B	
D9509	8-719-069-55	DIODE UDZSTE-175.6B	
D9510	8-719-069-55	DIODE UDZSTE-175.6B	
D9511	8-719-069-60	DIODE UDZSTE-179.1B	
D9512	8-719-069-55	DIODE UDZSTE-175.6B	
D9513	8-719-069-60	DIODE UDZSTE-179.1B	
D9514	8-719-069-55	DIODE UDZSTE-175.6B	
D9544	8-719-069-60	DIODE UDZSTE-179.1B	
D9545	8-719-069-60	DIODE UDZSTE-179.1B	
D9601	8-719-081-97	DIODE MMDL914T1	
D9602	8-719-069-60	DIODE UDZSTE-179.1B	
D9603	8-719-069-60	DIODE UDZSTE-179.1B	
D9604	8-719-069-60	DIODE UDZSTE-179.1B	
D9605	8-719-069-55	DIODE UDZSTE-175.6B	
D9606	8-719-069-55	DIODE UDZSTE-175.6B	
D9609	8-719-069-55	DIODE UDZSTE-175.6B	
D9610	8-719-069-55	DIODE UDZSTE-175.6B	
D9611	8-719-069-55	DIODE UDZSTE-175.6B	
D9612	8-719-069-55	DIODE UDZSTE-175.6B	
D9613	8-719-069-55	DIODE UDZSTE-175.6B	
D9616	8-719-073-34	DIODE EC21QS03L-TE12L	
D9617	8-719-069-55	DIODE UDZSTE-175.6B	
D9618	8-719-069-55	DIODE UDZSTE-175.6B	
D9619	8-719-069-55	DIODE UDZSTE-175.6B	
D9620	8-719-069-55	DIODE UDZSTE-175.6B	
D9621	8-719-069-55	DIODE UDZSTE-175.6B	
D9622	8-719-069-55	DIODE UDZSTE-175.6B	
		< FUSE >	
F5700 ⚠	1-576-415-21	FUSE	2A 32V
		< FERRITE BEAD >	
FB1000	1-414-760-21	FERRITE 0UH	
FB5500	1-400-179-21	INDUCTOR 0UH	
FB5501	1-400-179-21	INDUCTOR 0UH	
FB7800	1-414-760-21	FERRITE 0UH	
FB7801	1-414-760-21	FERRITE 0UH	
FB8563	1-400-244-11	FERRITE 0UH	
		< FILTER >	
FL2500	1-233-765-21	FILTER	
FL5000	1-234-177-21	FERRITE 0UH	
FL5001	1-234-177-21	FERRITE 0UH	
FL5002	1-234-177-21	FERRITE 0UH	
FL5003	1-234-177-21	FERRITE 0UH	
FL5004	1-234-177-21	FERRITE 0UH	
FL5005	1-234-177-21	FERRITE 0UH	
FL5006	1-234-177-21	FERRITE 0UH	
FL5007	1-234-177-21	FERRITE 0UH	
FL5500	1-234-177-21	FERRITE 0UH	
FL5501	1-234-177-21	FERRITE 0UH	
		< IC >	
IC1000	6-704-117-01	IC S-1111B33MC-NYSTFG	
IC1001	6-706-640-01	IC BH25FB1WG-TR	
IC1002	1-540-151-21	SOCKET, IC	
IC1003	6-706-232-01	IC SDA5550M-QB-T	
IC1005	6-704-573-01	IC M24C32-WMN6T(B)	
IC1006	6-702-313-01	IC PST600IMT	
IC1010	6-706-419-01	IC LM393DT (A)	
IC2500	6-706-475-01	IC TC7SET02FU(T5RSOJF)	
IC2501	8-753-212-10	IC CXA2163AQ-T6	
IC2504	6-704-465-01	IC MC74LVX8053DTR2	
IC2506	6-704-465-01	IC MC74LVX8053DTR2	
IC2507	8-759-524-24	IC TC7WT241FU(TE12R)	
IC2601	6-704-465-01	IC MC74LVX8053DTR2	
IC5000	6-708-533-01	IC SVPEX-SREVB	
IC5500	6-708-183-01	IC K4D263238G-VC36T	
IC5700	6-704-407-01	IC PQ1CZ41H2ZPH	
IC5701	6-704-407-01	IC PQ1CZ41H2ZPH	
IC5720	8-759-832-05	IC BA18BC0FP-E2	
IC5721	8-759-832-05	IC BA18BC0FP-E2	
IC5722	6-700-394-01	IC BA25BC0FP-E2	

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC5740	8-759-533-85	IC L88M05T-FA-TL	
IC6309	8-759-576-76	IC TDA2822D013TR	
IC7402	8-752-072-94	IC CXA1875AM-T4	
IC7403	6-706-137-01	IC K6F2008V2E-LF70T00	
IC7804	6-701-031-11	IC MSP3411G-QA-B11	
IC8500	8-752-072-94	IC CXA1875AM-T4	
IC9500	8-752-089-33	IC CXA2069Q-TL	
		< SOCKET >	
J2802	1-819-255-11	PIN JACK 2P	
J9154	1-819-721-11	PIN JACK 5P	
		< COIL >	
L1000	1-412-058-11	INDUCTOR 10UH	
L2500	1-412-029-11	INDUCTOR 10UH	
L2502	1-412-029-11	INDUCTOR 10UH	
L2504	1-412-029-11	INDUCTOR 10UH	
L2506	1-412-029-11	INDUCTOR 10UH	
L2507	1-412-029-11	INDUCTOR 10UH	
L2508	1-412-029-11	INDUCTOR 10UH	
L2509	1-412-029-11	INDUCTOR 10UH	
L2510	1-412-029-11	INDUCTOR 10UH	
L5000	1-414-394-11	INDUCTOR 2.2UH	
L5001	1-414-394-11	INDUCTOR 2.2UH	
L5002	1-414-394-11	INDUCTOR 2.2UH	
L5003	1-414-394-11	INDUCTOR 2.2UH	
L5004	1-400-179-21	INDUCTOR 0UH	
L5005	1-400-179-21	INDUCTOR 0UH	
L5006	1-216-801-11	METAL CHIP 22 5% 1/10W	
L5007	1-216-801-11	METAL CHIP 22 5% 1/10W	
L5008	1-456-984-11	INDUCTOR 0UH	
L5009	1-456-984-11	INDUCTOR 0UH	
L5010	1-400-179-21	INDUCTOR 0UH	
L5012	1-456-984-11	INDUCTOR 0UH	
L5013	1-456-984-11	INDUCTOR 0UH	
L5014	1-456-984-11	INDUCTOR 0UH	
L5015	1-400-179-21	INDUCTOR 0UH	
L5700	1-409-529-41	INDUCTOR 10UH	
L5701	1-456-786-21	INDUCTOR 47UH	
L5702	1-456-786-21	INDUCTOR 47UH	
L5729	1-400-784-21	INDUCTOR 4.7UH	
L6308	1-412-026-11	INDUCTOR 1UH	
L6316	1-412-029-11	INDUCTOR 10UH	
L6317	1-412-029-11	INDUCTOR 10UH	
L7803	1-412-029-11	INDUCTOR 10UH	
L7805	1-412-990-41	INDUCTOR 8.2UH	
L7806	1-412-029-11	INDUCTOR 10UH	
L7807	1-412-029-11	INDUCTOR 10UH	
L9500	1-412-029-11	INDUCTOR 10UH	
L9502	1-412-030-11	INDUCTOR 22UH	
L9510	1-412-030-11	INDUCTOR 22UH	
		< TRANSISTOR >	
Q2501	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2502	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2503	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2504	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2505	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2506	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q2508	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q2509	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2510	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2513	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2514	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2601	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q3878	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3880	8-729-010-05	TRANSISTOR MSB709-RT1	
Q3881	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5700	8-729-046-04	TRANSISTOR FDS6690A	
Q7412	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q7416	8-729-010-05	TRANSISTOR MSB709-RT1	
Q7800	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7801	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7802	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7803	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7806	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7810	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7811	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8490	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9500	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9510	8-729-927-99	TRANSISTOR 2SC4617R	
Q9511	8-729-927-99	TRANSISTOR 2SC4617R	
Q9512	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9514	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9515	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9516	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9601	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9602	6-550-014-01	TRANSISTOR SSM6N15FU(TE85R)	
Q9603	8-729-010-05	TRANSISTOR MSB709-RT1	
Q9604	8-729-421-19	TRANSISTOR UN2213	
Q9605	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9606	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q9607	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
		< RESISTOR >	
R1001	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1002	1-218-990-81	SHORT CHIP 0	
R1003	1-218-990-81	SHORT CHIP 0	
R1009	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R1010	1-218-990-81	SHORT CHIP	0			
R1011	1-218-990-81	SHORT CHIP	0			
R1012	1-218-990-81	SHORT CHIP	0			
R1014	1-218-990-81	SHORT CHIP	0			
R1016	1-218-990-81	SHORT CHIP	0			
R1017	1-218-990-81	SHORT CHIP	0			
R1018	1-218-990-81	SHORT CHIP	0			
R1019	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R1020	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R1021	1-218-973-11	RES-CHIP	47K	5%	1/16W	
R1027	1-218-990-81	SHORT CHIP	0			
R1028	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1030	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1031	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R1033	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R1034	1-218-990-81	SHORT CHIP	0			
R1039	1-218-929-11	RES-CHIP	10	5%	1/16W	
R1040	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1042	1-218-990-81	SHORT CHIP	0			
R1043	1-218-990-81	SHORT CHIP	0			
R1044	1-218-990-81	SHORT CHIP	0			
R1045	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R1046	1-218-990-81	SHORT CHIP	0			
R1047	1-218-990-81	SHORT CHIP	0			
R1059	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1060	1-216-817-11	METAL CHIP	470	5%	1/10W	
R1063	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1064	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W	
R1069	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R1082	1-218-990-81	SHORT CHIP	0			
R1083	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R1102	1-218-990-81	SHORT CHIP	0			
R1103	1-218-990-81	SHORT CHIP	0			
R1104	1-218-990-81	SHORT CHIP	0			
R1105	1-218-990-81	SHORT CHIP	0			
R1106	1-218-990-81	SHORT CHIP	0			
R1115	1-216-864-11	SHORT CHIP	0			
R1120	1-216-864-11	SHORT CHIP	0			
R1126	1-218-941-81	RES-CHIP	100	5%	1/16W	
R1127	1-216-864-11	SHORT CHIP	0			
R1132	1-216-864-11	SHORT CHIP	0			
R1133	1-216-864-11	SHORT CHIP	0			
R1205	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R1209	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R1215	1-216-864-11	SHORT CHIP	0			
R2500	1-216-864-11	SHORT CHIP	0			
R2501	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2502	1-216-809-11	METAL CHIP	100	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R2503	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2506	1-216-838-11	METAL CHIP	27K	5%	1/10W	
R2507	1-216-864-11	SHORT CHIP	0			
R2508	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	
R2511	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2512	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2513	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2514	1-216-864-11	SHORT CHIP	0			
R2515	1-216-817-11	METAL CHIP	470	5%	1/10W	
R2517	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2518	1-216-864-11	SHORT CHIP	0			
R2519	1-216-864-11	SHORT CHIP	0			
R2520	1-216-864-11	SHORT CHIP	0			
R2521	1-216-864-11	SHORT CHIP	0			
R2522	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R2523	1-216-864-11	SHORT CHIP	0			
R2524	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R2528	1-216-864-11	SHORT CHIP	0			
R2529	1-216-864-11	SHORT CHIP	0			
R2530	1-216-820-11	METAL CHIP	820	5%	1/10W	
R2531	1-216-818-11	METAL CHIP	560	5%	1/10W	
R2534	1-216-864-11	SHORT CHIP	0			
R2535	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2537	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2538	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2539	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2540	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2542	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2544	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	
R2545	1-216-817-11	METAL CHIP	470	5%	1/10W	
R2546	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R2547	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R2548	1-216-811-11	METAL CHIP	150	5%	1/10W	
R2549	1-211-985-11	METAL CHIP	47	0.5%	1/10W	
R2556	1-216-834-11	METAL CHIP	12K	5%	1/10W	
R2558	1-216-864-11	SHORT CHIP	0			
R2559	1-216-864-11	SHORT CHIP	0			
R2560	1-216-864-11	SHORT CHIP	0			
R2561	1-216-864-11	SHORT CHIP	0			
R2562	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2563	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2564	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2565	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2566	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2567	1-216-864-11	SHORT CHIP	0			
R2568	1-216-864-11	SHORT CHIP	0			
R2569	1-216-864-11	SHORT CHIP	0			
R2571	1-216-864-11	SHORT CHIP	0			
R2573	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R2574	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R2576	1-216-864-11	SHORT CHIP	0			
R2577	1-216-864-11	SHORT CHIP	0			
R2578	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2579	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2580	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2581	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2582	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2583	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2586	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2587	1-216-864-11	SHORT CHIP	0			
R2588	1-216-864-11	SHORT CHIP	0			
R2589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R2590	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R2591	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2592	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2593	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2594	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2595	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2596	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R2597	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R2598	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2599	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2600	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2601	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2602	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2603	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2604	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R2605	1-216-864-11	SHORT CHIP	0			
R2607	1-216-864-11	SHORT CHIP	0			
R2608	1-216-864-11	SHORT CHIP	0			
R2610	1-216-864-11	SHORT CHIP	0			
R2611	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2612	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2613	1-216-864-11	SHORT CHIP	0			
R2615	1-216-864-11	SHORT CHIP	0			
R2616	1-216-864-11	SHORT CHIP	0			
R2618	1-216-864-11	SHORT CHIP	0			
R2619	1-216-864-11	SHORT CHIP	0			
R2620	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2621	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2622	1-216-864-11	SHORT CHIP	0			
R2623	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2624	1-216-864-11	SHORT CHIP	0			
R2625	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R2627	1-216-864-11	SHORT CHIP	0			
R5000	1-216-864-11	SHORT CHIP	0			
R5001	1-216-864-11	SHORT CHIP	0			
R5002	1-216-864-11	SHORT CHIP	0			
R5003	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R5005	1-216-864-11	SHORT CHIP	0			
R5007	1-216-864-11	SHORT CHIP	0			
R5008	1-216-864-11	SHORT CHIP	0			
R5009	1-216-864-11	SHORT CHIP	0			
R5010	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R5012	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R5015	1-216-864-11	SHORT CHIP	0			
R5023	1-216-864-11	SHORT CHIP	0			
R5032	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5033	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5034	1-218-990-81	SHORT CHIP	0			
R5043	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R5500	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R5501	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R5502	1-211-986-11	METAL CHIP	51	0.5%	1/10W	
R5503	1-211-986-11	METAL CHIP	51	0.5%	1/10W	
R5504	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5505	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5506	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5507	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5508	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5509	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5510	1-218-990-81	SHORT CHIP	0			
R5511	1-218-990-81	SHORT CHIP	0			
R5512	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5513	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5514	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5515	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5516	1-218-933-11	RES-CHIP	22	5%	1/16W	
R5700	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R5701	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R5702	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R5704	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R5707	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R5710	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R5711	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W	
R5714	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R5715	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R5716	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W	
R5717	1-216-295-91	SHORT CHIP	0			
R5718	1-216-295-91	SHORT CHIP	0			
R5720	1-216-295-91	SHORT CHIP	0			
R5722	1-216-295-91	SHORT CHIP	0			
R5724	1-216-295-91	SHORT CHIP	0			
R5726	1-216-295-91	SHORT CHIP	0			
R5728	1-216-295-91	SHORT CHIP	0			
R5732	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R6527	1-216-805-11	METAL CHIP	47	5%	1/10W	
R6528	1-216-805-11	METAL CHIP	47	5%	1/10W	
R6529	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R6530	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION			REMARK
R6531	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6532	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6533	1-220-234-11	METAL CHIP	4.7	10%	1/4W
R6534	1-220-234-11	METAL CHIP	4.7	10%	1/4W
R6535	1-216-813-11	METAL CHIP	220	5%	1/10W
R6536	1-216-813-11	METAL CHIP	220	5%	1/10W
R6537	1-216-809-11	METAL CHIP	100	5%	1/10W
R6538	1-216-809-11	METAL CHIP	100	5%	1/10W
R6539	1-216-809-11	METAL CHIP	100	5%	1/10W
R6540	1-216-809-11	METAL CHIP	100	5%	1/10W
R6541	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6542	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6543	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6545	1-216-864-11	SHORT CHIP	0		
R7484	1-218-990-81	SHORT CHIP	0		
R7485	1-218-990-81	SHORT CHIP	0		
R7486	1-218-990-81	SHORT CHIP	0		
R7487	1-218-990-81	SHORT CHIP	0		
R7488	1-218-990-81	SHORT CHIP	0		
R7489	1-218-990-81	SHORT CHIP	0		
R7490	1-218-990-81	SHORT CHIP	0		
R7491	1-218-990-81	SHORT CHIP	0		
R7492	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7493	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7494	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7495	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7496	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7497	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7500	1-218-990-81	SHORT CHIP	0		
R7504	1-216-809-11	METAL CHIP	100	5%	1/10W
R7505	1-216-809-11	METAL CHIP	100	5%	1/10W
R7506	1-216-809-11	METAL CHIP	100	5%	1/10W
R7507	1-216-809-11	METAL CHIP	100	5%	1/10W
R7508	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R7509	1-216-809-11	METAL CHIP	100	5%	1/10W
R7510	1-216-809-11	METAL CHIP	100	5%	1/10W
R7511	1-216-809-11	METAL CHIP	100	5%	1/10W
R7512	1-216-809-11	METAL CHIP	100	5%	1/10W
R7529	1-218-990-81	SHORT CHIP	0		
R7531	1-218-990-81	SHORT CHIP	0		
R7532	1-218-990-81	SHORT CHIP	0		
R7533	1-218-990-81	SHORT CHIP	0		
R7534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7537	1-218-990-81	SHORT CHIP	0		
R7538	1-216-864-11	SHORT CHIP	0		
R7541	1-218-990-81	SHORT CHIP	0		
R7545	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7551	1-218-990-81	SHORT CHIP	0		
R7552	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7553	1-216-841-11	METAL CHIP	47K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R7560	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7561	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7563	1-216-864-11	SHORT CHIP	0		
R7564	1-216-864-11	SHORT CHIP	0		
R7565	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7566	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7567	1-216-809-11	METAL CHIP	100	5%	1/10W
R7568	1-218-990-81	SHORT CHIP	0		
R7571	1-218-990-81	SHORT CHIP	0		
R7577	1-216-809-11	METAL CHIP	100	5%	1/10W
R7578	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7580	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7588	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7592	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7599	1-218-990-81	SHORT CHIP	0		
R7602	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7802	1-216-836-11	METAL CHIP	18K	5%	1/10W
R7803	1-216-836-11	METAL CHIP	18K	5%	1/10W
R7804	1-216-839-11	METAL CHIP	33K	5%	1/10W
R7805	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7806	1-216-839-11	METAL CHIP	33K	5%	1/10W
R7807	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R7808	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R7822	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7828	1-216-836-11	METAL CHIP	18K	5%	1/10W
R7829	1-216-839-11	METAL CHIP	33K	5%	1/10W
R7830	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R7840	1-216-809-11	METAL CHIP	100	5%	1/10W
R7841	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7843	1-216-809-11	METAL CHIP	100	5%	1/10W
R7844	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7847	1-216-836-11	METAL CHIP	18K	5%	1/10W
R7848	1-216-839-11	METAL CHIP	33K	5%	1/10W
R7849	1-218-841-11	METAL CHIP	560	0.5%	1/10W
R7854	1-216-864-11	SHORT CHIP	0		
R7856	1-216-864-11	SHORT CHIP	0		
R7857	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7859	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7860	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7864	1-216-805-11	METAL CHIP	47	5%	1/10W
R7865	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7866	1-216-864-11	SHORT CHIP	0		
R7867	1-216-864-11	SHORT CHIP	0		
R7969	1-216-864-11	SHORT CHIP	0		
R7970	1-216-864-11	SHORT CHIP	0		
R7971	1-216-864-11	SHORT CHIP	0		
R7972	1-216-864-11	SHORT CHIP	0		
R8000	1-216-864-11	SHORT CHIP	0		
R8003	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R8497	1-216-833-11	METAL CHIP	10K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R8498	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8499	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8529	1-216-864-11	SHORT CHIP	0		
R8530	1-216-864-11	SHORT CHIP	0		
R8531	1-216-864-11	SHORT CHIP	0		
R8532	1-216-864-11	SHORT CHIP	0		
R8538	1-216-864-11	SHORT CHIP	0		
R8539	1-216-864-11	SHORT CHIP	0		
R8541	1-216-809-11	METAL CHIP	100	5%	1/10W
R8560	1-216-864-11	SHORT CHIP	0		
R8561	1-216-864-11	SHORT CHIP	0		
R8562	1-216-864-11	SHORT CHIP	0		
R8581	1-216-864-11	SHORT CHIP	0		
R8590	1-216-864-11	SHORT CHIP	0		
R8597	1-216-864-11	SHORT CHIP	0		
R9500	1-216-864-11	SHORT CHIP	0		
R9501	1-216-864-11	SHORT CHIP	0		
R9503	1-216-815-11	METAL CHIP	330	5%	1/10W
R9504	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9505	1-216-813-11	METAL CHIP	220	5%	1/10W
R9506	1-216-864-11	SHORT CHIP	0		
R9507	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9508	1-216-815-11	METAL CHIP	330	5%	1/10W
R9509	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9510	1-216-029-00	RES-CHIP	150	5%	1/10W
R9511	1-216-813-11	METAL CHIP	220	5%	1/10W
R9512	1-216-864-11	SHORT CHIP	0		
R9513	1-216-025-11	RES-CHIP	100	5%	1/10W
R9514	1-216-025-11	RES-CHIP	100	5%	1/10W
R9515	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9516	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9517	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9518	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9520	1-216-029-00	RES-CHIP	150	5%	1/10W
R9521	1-216-029-00	RES-CHIP	150	5%	1/10W
R9522	1-216-029-00	RES-CHIP	150	5%	1/10W
R9523	1-216-025-11	RES-CHIP	100	5%	1/10W
R9524	1-216-025-11	RES-CHIP	100	5%	1/10W
R9525	1-216-025-11	RES-CHIP	100	5%	1/10W
R9526	1-216-022-00	RES-CHIP	75	5%	1/10W
R9527	1-216-029-00	RES-CHIP	150	5%	1/10W
R9528	1-216-029-00	RES-CHIP	150	5%	1/10W
R9529	1-216-025-11	RES-CHIP	100	5%	1/10W
R9530	1-216-809-11	METAL CHIP	100	5%	1/10W
R9531	1-216-815-11	METAL CHIP	330	5%	1/10W
R9532	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9533	1-216-815-11	METAL CHIP	330	5%	1/10W
R9534	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9535	1-216-813-11	METAL CHIP	220	5%	1/10W
R9536	1-216-864-11	SHORT CHIP	0		
R9537	1-216-813-11	METAL CHIP	220	5%	1/10W
R9538	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9539	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9540	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9541	1-216-029-00	RES-CHIP	150	5%	1/10W
R9543	1-216-029-00	RES-CHIP	150	5%	1/10W
R9544	1-216-864-11	SHORT CHIP	0		
R9545	1-216-025-11	RES-CHIP	100	5%	1/10W
R9546	1-216-025-11	RES-CHIP	100	5%	1/10W
R9547	1-216-025-11	RES-CHIP	100	5%	1/10W
R9548	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9549	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9550	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9551	1-216-022-00	RES-CHIP	75	5%	1/10W
R9552	1-216-029-00	RES-CHIP	150	5%	1/10W
R9553	1-216-029-00	RES-CHIP	150	5%	1/10W
R9554	1-216-029-00	RES-CHIP	150	5%	1/10W
R9555	1-216-029-00	RES-CHIP	150	5%	1/10W
R9556	1-216-025-11	RES-CHIP	100	5%	1/10W
R9557	1-216-025-11	RES-CHIP	100	5%	1/10W
R9558	1-216-025-11	RES-CHIP	100	5%	1/10W
R9559	1-216-025-11	RES-CHIP	100	5%	1/10W
R9560	1-216-864-11	SHORT CHIP	0		
R9561	1-216-864-11	SHORT CHIP	0		
R9562	1-216-864-11	SHORT CHIP	0		
R9564	1-216-864-11	SHORT CHIP	0		
R9565	1-216-864-11	SHORT CHIP	0		
R9566	1-218-285-11	METAL CHIP	75	5%	1/10W
R9567	1-216-864-11	SHORT CHIP	0		
R9568	1-218-285-11	METAL CHIP	75	5%	1/10W
R9569	1-216-864-11	SHORT CHIP	0		
R9570	1-218-285-11	METAL CHIP	75	5%	1/10W
R9588	1-216-834-11	METAL CHIP	12K	5%	1/10W
R9589	1-216-834-11	METAL CHIP	12K	5%	1/10W
R9606	1-216-864-11	SHORT CHIP	0		
R9611	1-216-809-11	METAL CHIP	100	5%	1/10W
R9612	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9613	1-216-809-11	METAL CHIP	100	5%	1/10W
R9614	1-216-864-11	SHORT CHIP	0		
R9615	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9616	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9617	1-216-809-11	METAL CHIP	100	5%	1/10W
R9618	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9619	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9626	1-216-809-11	METAL CHIP	100	5%	1/10W
R9627	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9628	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9629	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9630	1-216-809-11	METAL CHIP	100	5%	1/10W
R9631	1-216-809-11	METAL CHIP	100	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R9632	1-216-864-11	SHORT CHIP	0		
R9633	1-216-864-11	SHORT CHIP	0		
R9634	1-216-864-11	SHORT CHIP	0		
R9638	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9639	1-216-809-11	METAL CHIP	100	5%	1/10W
R9640	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9642	1-216-809-11	METAL CHIP	100	5%	1/10W
R9643	1-216-809-11	METAL CHIP	100	5%	1/10W
R9644	1-216-864-11	SHORT CHIP	0		
R9645	1-216-864-11	SHORT CHIP	0		
R9652	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9653	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R9656	1-216-809-11	METAL CHIP	100	5%	1/10W
R9658	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R9659	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R9660	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R9661	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R9662	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R9663	1-216-809-11	METAL CHIP	100	5%	1/10W
R9664	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R9666	1-216-809-11	METAL CHIP	100	5%	1/10W
R9672	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9673	1-216-813-11	METAL CHIP	220	5%	1/10W
R9675	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9677	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9678	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9679	1-216-809-11	METAL CHIP	100	5%	1/10W
R9680	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9681	1-216-809-11	METAL CHIP	100	5%	1/10W
R9689	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9690	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9691	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9692	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9693	1-216-029-00	RES-CHIP	150	5%	1/10W
R9694	1-216-864-11	SHORT CHIP	0		
R9695	1-216-864-11	SHORT CHIP	0		
R9696	1-216-864-11	SHORT CHIP	0		
R9697	1-216-029-00	RES-CHIP	150	5%	1/10W
R9698	1-216-029-00	RES-CHIP	150	5%	1/10W
R9699	1-216-029-00	RES-CHIP	150	5%	1/10W
R9700	1-216-029-00	RES-CHIP	150	5%	1/10W
R9701	1-216-029-00	RES-CHIP	150	5%	1/10W
R9702	1-216-029-00	RES-CHIP	150	5%	1/10W
R9703	1-216-029-00	RES-CHIP	150	5%	1/10W
R9704	1-216-029-00	RES-CHIP	150	5%	1/10W
R9705	1-216-029-00	RES-CHIP	150	5%	1/10W
R9706	1-216-029-00	RES-CHIP	150	5%	1/10W
R9707	1-216-029-00	RES-CHIP	150	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R9708	1-216-029-00	RES-CHIP	150	5%	1/10W
R9709	1-216-029-00	RES-CHIP	150	5%	1/10W
R9713	1-216-864-11	SHORT CHIP	0		
R9722	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R9723	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R9725	1-216-864-11	SHORT CHIP	0		
R9726	1-216-864-11	SHORT CHIP	0		
R9727	1-216-864-11	SHORT CHIP	0		
R9728	1-216-864-11	SHORT CHIP	0		
R9729	1-216-864-11	SHORT CHIP	0		
R9730	1-216-025-11	RES-CHIP	100	5%	1/10W
R9731	1-216-025-11	RES-CHIP	100	5%	1/10W
R9732	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9733	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9734	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9735	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9736	1-216-809-11	METAL CHIP	100	5%	1/10W
R9737	1-216-809-11	METAL CHIP	100	5%	1/10W
R9738	1-216-809-11	METAL CHIP	100	5%	1/10W
R9739	1-216-809-11	METAL CHIP	100	5%	1/10W
R9740	1-216-809-11	METAL CHIP	100	5%	1/10W
R9741	1-216-809-11	METAL CHIP	100	5%	1/10W
R9742	1-216-809-11	METAL CHIP	100	5%	1/10W
R9744	1-216-817-11	METAL CHIP	470	5%	1/10W
R9745	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9746	1-216-849-11	METAL CHIP	220K	5%	1/10W
R9747	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9748	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9749	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9750	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9751	1-216-864-11	SHORT CHIP	0		
R9752	1-216-022-00	RES-CHIP	75	5%	1/10W
R9753	1-216-022-00	RES-CHIP	75	5%	1/10W
R9754	1-216-025-11	RES-CHIP	100	5%	1/10W
R9759	1-216-864-11	SHORT CHIP	0		
R9760	1-216-864-11	SHORT CHIP	0		
R9761	1-216-864-11	SHORT CHIP	0		
R9762	1-216-864-11	SHORT CHIP	0		
R9763	1-216-864-11	SHORT CHIP	0		
R9764	1-216-864-11	SHORT CHIP	0		
R9766	1-218-965-11	RES-CHIP	10K	5%	1/16W
R9767	1-216-809-11	METAL CHIP	100	5%	1/10W
R9769	1-218-933-11	RES-CHIP	22	5%	1/16W
R9770	1-216-864-11	SHORT CHIP	0		
R9773	1-216-864-11	SHORT CHIP	0		
R9774	1-216-864-11	SHORT CHIP	0		
R9775	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R9776	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R9777	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R9778	1-218-827-11	METAL CHIP	150	0.5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R9779	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R9780	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
R9781	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R9782	1-216-833-11	METAL CHIP 10K 5% 1/10W	

< RESISTOR CHIP >

REF.NO.	PART NO.	DESCRIPTION	REMARK
RB1000	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1001	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1002	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1003	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1004	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1005	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1006	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1007	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1008	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB1009	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB1010	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1011	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1012	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1013	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1014	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1015	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1016	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1017	1-234-372-21	RES, NETWORK 100	(1005X4)
RB4703	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4704	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4705	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4706	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5500	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5501	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5502	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5503	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5504	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5505	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5506	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5507	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5509	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5510	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5511	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5512	1-234-370-21	RES, NETWORK 22	(1005X4)

< VARISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
VD012	1-803-974-21	VARISTOR, CHIP	(1608)
VD013	1-803-974-21	VARISTOR, CHIP	(1608)
VDR004	1-803-974-21	VARISTOR, CHIP	(1608)
VDR005	1-803-974-21	VARISTOR, CHIP	(1608)
VDR006	1-803-974-21	VARISTOR, CHIP	(1608)
VDR007	1-803-974-21	VARISTOR, CHIP	(1608)
VDR008	1-803-974-21	VARISTOR, CHIP	(1608)
VDR009	1-803-974-21	VARISTOR, CHIP	(1608)
VDR010	1-803-974-21	VARISTOR, CHIP	(1608)
VDR011	1-803-974-21	VARISTOR, CHIP	(1608)

< CRYSTAL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
X1000	1-795-537-21	VIBRATOR, CRYSTAL	
X2500	1-781-730-11	VIBRATOR, CRYSTAL	
X5000	1-795-790-11	VIBRATOR, CRYSTAL	
X7800	1-795-612-11	VIBRATOR, CRYSTAL	

* A-1151-409-B N COMPLETE LE4B (ZAPPING)

REF.NO.	PART NO.	DESCRIPTION	REMARK
	2-580-625-01	SCREW, +B M2X8	
	4-204-791-01	SCREW + B, 2X8	
A3300	* 1-815-640-21	CONNECTOR, CARD (PCMCIA CARD)	

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3100	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3101	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3102	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3103	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3104	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3105	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3106	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3107	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3108	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3109	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3110	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3111	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3112	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3113	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3114	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3115	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3116	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3117	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3118	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3119	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3120	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3121	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3122	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3123	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3124	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3125	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3126	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3127	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3128	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3129	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3130	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3131	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3132	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3133	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3134	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3135	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3136	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3137	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3138	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3200	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3201	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3202	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3203	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3204	1-164-846-11	CERAMIC CHIP 6PF	0.50PF 50V
C3205	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3206	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3207	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3208	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3209	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3210	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3211	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3212	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3213	1-164-846-11	CERAMIC CHIP 6PF	0.50PF 50V
C3214	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3215	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3216	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3217	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3218	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3219	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3220	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3230	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3300	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3301	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3303	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3304	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3306	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3307	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3308	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3309	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3310	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3311	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3312	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3313	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3314	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3315	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3316	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3317	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3318	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3320	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3321	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3322	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3323	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3324	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3326	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3400	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3402	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3403	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3404	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3405	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3406	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3407	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3408	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3409	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3410	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3411	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3412	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3413	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3414	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3415	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3416	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3417	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3418	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3419	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3420	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3421	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3422	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3423	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3424	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3425	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3426	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3427	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3428	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3429	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3430	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3431	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3432	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3433	1-100-354-21	ELECT CHIP 220UF	20% 6.3V
C3434	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3435	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3436	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3438	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3439	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3440	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3441	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3442	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3443	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3444	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3445	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3446	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3447	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3448	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3449	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3450	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3451	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3452	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3504	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3509	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3513	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3514	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3518	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3520	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3521	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3522	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3523	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3524	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3525	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3526	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3527	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C3528	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3529	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C3530	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3531	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3532	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3533	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3534	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3535	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3536	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3537	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3538	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3539	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3540	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3541	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3542	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3543	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3544	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3545	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3546	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3547	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3548	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3549	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3550	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3551	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3552	1-164-860-11	CERAMIC CHIP 27PF	5.00% 50V
C3553	1-164-860-11	CERAMIC CHIP 27PF	5.00% 50V
C3570	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3571	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3800	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3801	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3802	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3804	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3805	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3806	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3807	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3808	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3809	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3810	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3811	1-164-935-11	CERAMIC CHIP 470PF	10.00% 50V
C3812	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3813	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3814	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3816	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3817	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN3300	* 1-815-641-11	CONNECTOR, CARD (PCMCIA CARD)	
CN3400	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P	
CN3401	1-764-087-21	PIN, CONNECTOR (PC BOARD) 14P	
CN3402	1-695-889-21	PIN, CONNECTOR (PC BOARD) 10P	
CN3403	* 1-779-268-21	PIN, CONNECTOR (1.5MM)(SMD)11P	
CN3404	* 1-766-376-11	PIN, CONNECTOR (1.5MM)(SMD) 9P	
CN3500	1-784-024-21	JACK 10P	
CN3503	* 1-764-080-21	PIN, CONNECTOR (PC BOARD) 8P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D3400	8-719-070-20	DIODE RB706F-40	
D3401	8-719-070-20	DIODE RB706F-40	
D3402	8-719-058-24	DIODE RB501V-40TE-17	
D3500	6-501-233-01	DIODE BZA862AVL	
D3501	6-501-233-01	DIODE BZA862AVL	
D3502	6-501-233-01	DIODE BZA862AVL	
D3504	8-719-058-24	DIODE RB501V-40TE-17	
D3800	8-719-066-11	DIODE 1PS184-115	

< FERRITE BEAD >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB3100	1-469-869-21	FERRITE 0UH	
FB3101	1-469-869-21	FERRITE 0UH	
FB3102	1-469-869-21	FERRITE 0UH	
FB3103	1-400-833-21	FERRITE 0UH	
FB3104	1-469-869-21	FERRITE 0UH	
FB3105	1-400-833-21	FERRITE 0UH	
FB3106	1-400-833-21	FERRITE 0UH	
FB3107	1-400-833-21	FERRITE 0UH	
FB3108	1-400-833-21	FERRITE 0UH	
FB3109	1-400-833-21	FERRITE 0UH	
FB3110	1-400-833-21	FERRITE 0UH	
FB3111	1-400-833-21	FERRITE 0UH	
FB3112	1-400-833-21	FERRITE 0UH	
FB3200	1-400-244-11	FERRITE 0UH	
FB3201	1-400-244-11	FERRITE 0UH	
FB3300	1-469-869-21	FERRITE 0UH	
FB3301	1-469-869-21	FERRITE 0UH	
FB3400	1-400-244-11	FERRITE 0UH	
FB3401	1-400-244-11	FERRITE 0UH	
FB3402	1-400-244-11	FERRITE 0UH	

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB3403	1-469-458-91	FERRITE 0UH	
FB3404	1-469-869-21	FERRITE 0UH	
FB3405	1-469-869-21	FERRITE 0UH	
FB3406	1-469-869-21	FERRITE 0UH	
FB3407	1-469-869-21	FERRITE 0UH	
FB3408	1-400-461-21	FERRITE 0UH	
FB3409	1-400-461-21	FERRITE 0UH	
FB3410	1-400-461-21	FERRITE 0UH	
FB3411	1-400-461-21	FERRITE 0UH	
FB3412	1-400-834-11	FERRITE 0UH	
FB3413	1-400-834-11	FERRITE 0UH	
FB3414	1-400-834-11	FERRITE 0UH	
FB3415	1-400-834-11	FERRITE 0UH	
FB3416	1-400-834-11	FERRITE 0UH	
FB3417	1-400-834-11	FERRITE 0UH	
FB3418	1-400-834-11	FERRITE 0UH	
FB3419	1-400-834-11	FERRITE 0UH	
FB3420	1-400-834-11	FERRITE 0UH	
FB3501	1-469-458-91	FERRITE 0UH	
FB3502	1-469-458-91	FERRITE 0UH	
FB3503	1-400-244-11	FERRITE 0UH	
FB3504	1-400-244-11	FERRITE 0UH	
FB3505	1-400-244-11	FERRITE 0UH	
FB3507	1-400-244-11	FERRITE 0UH	
FB3509	1-414-772-11	FERRITE 0UH	
FB3546	1-400-244-11	FERRITE 0UH	
FB3547	1-400-244-11	FERRITE 0UH	
FB3548	1-400-244-11	FERRITE 0UH	
FB3549	1-400-244-11	FERRITE 0UH	
FB3550	1-400-244-11	FERRITE 0UH	
FB3551	1-400-244-11	FERRITE 0UH	
FB3552	1-400-244-11	FERRITE 0UH	
FB3553	1-400-244-11	FERRITE 0UH	
FB3554	1-469-869-21	FERRITE 0UH	
FB3555	1-469-869-21	FERRITE 0UH	
FB3557	1-400-244-11	FERRITE 0UH	
FB3800	1-400-244-11	FERRITE 0UH	
FB3801	1-400-244-11	FERRITE 0UH	
FB3802	1-400-244-11	FERRITE 0UH	
FB3803	1-400-244-11	FERRITE 0UH	
FB3804	1-400-244-11	FERRITE 0UH	
FB3805	1-400-244-11	FERRITE 0UH	
FB3806	1-400-244-11	FERRITE 0UH	

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL3500	1-239-899-21	FERRITE 0UH	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC3100	6-702-498-21	IC UPD61120AF1-100-JN1-A	
IC3200	6-707-809-01	IC EDD1216AATA-6B-E	
IC3201	6-705-271-01	IC KA5SDKAS01TSL	
IC3206	6-704-621-01	IC TC58DVM72A1TG00	
IC3301	8-759-644-48	IC 74LVC541APW	
IC3302	8-759-644-48	IC 74LVC541APW	
IC3303	8-759-564-22	IC 74LVC00-PW	
IC3304	8-759-644-48	IC 74LVC541APW	
IC3305	8-759-644-48	IC 74LVC541APW	
IC3306	8-759-644-48	IC 74LVC541APW	
IC3307	8-759-298-91	IC 74LVT245PW-T	
IC3308	8-759-644-48	IC 74LVC541APW	
IC3309	8-759-644-48	IC 74LVC541APW	
IC3310	8-759-644-48	IC 74LVC541APW	
IC3311	8-759-298-91	IC 74LVT245PW-T	
IC3312	8-759-644-48	IC 74LVC541APW	
IC3313	8-759-644-48	IC 74LVC541APW	
IC3314	8-759-644-48	IC 74LVC541APW	
IC3315	8-759-564-09	IC 74LVC32A-PW	
IC3316	6-708-132-01	IC 74LVC14APW	
IC3400	6-707-808-01	IC WM8727GED/RV	
IC3401	8-759-701-40	IC NJM3404AM-T1	
IC3402	6-705-403-01	IC PQ070XZ01ZPH	
IC3403	6-705-403-01	IC PQ070XZ01ZPH	
IC3404	6-705-789-01	IC LM3526MX-H/J5000396	
IC3502	8-759-644-48	IC 74LVC541APW	
IC3504	8-753-212-44	IC CXD1976R-T6	
IC3800	6-703-175-01	IC PST3629UL	
IC3801	8-759-670-18	IC 74LVC273PW	
IC3802	8-759-670-18	IC 74LVC273PW	
IC3803	6-706-487-01	IC TC7SH08FU(T5RSOYJF)	
IC3804	8-759-564-09	IC 74LVC32A-PW	
IC3805	8-759-564-91	IC 74LVC08APW	
IC3806	6-706-487-01	IC TC7SH08FU(T5RSOYJF)	
IC3807	6-704-067-01	IC M24128-BWMN6T(A)	

< COIL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
L3100	1-400-859-41	INDUCTOR 0.82UH	
L3500	1-412-006-31	INDUCTOR 10UH	
L3501	1-469-842-21	INDUCTOR 0.47UH	
L3502	1-410-981-42	INDUCTOR 0.1UH	
L3503	1-410-981-42	INDUCTOR 0.1UH	
L3504	1-410-981-42	INDUCTOR 0.1UH	

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q3400	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3401	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3402	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3403	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
Q3404	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	

REF.NO.	PART NO.	DESCRIPTION			REMARK
Q3405	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R			
Q3406	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R			
Q3407	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R			
Q3408	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R			
Q3409	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R			
Q3410	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R			
Q3411	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R			
Q3412	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R			
Q3504	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q3800	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q3801	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q3804	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q3805	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q3806	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R			
Q3808	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R			

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3100	1-218-937-11	RES-CHIP	47	5%	1/16W
R3101	1-218-941-81	RES-CHIP	100	5%	1/16W
R3102	1-218-937-11	RES-CHIP	47	5%	1/16W
R3103	1-218-937-11	RES-CHIP	47	5%	1/16W
R3104	1-218-937-11	RES-CHIP	47	5%	1/16W
R3105	1-218-937-11	RES-CHIP	47	5%	1/16W
R3106	1-218-937-11	RES-CHIP	47	5%	1/16W
R3107	1-218-937-11	RES-CHIP	47	5%	1/16W
R3108	1-218-937-11	RES-CHIP	47	5%	1/16W
R3109	1-218-941-81	RES-CHIP	100	5%	1/16W
R3110	1-218-937-11	RES-CHIP	47	5%	1/16W
R3111	1-218-937-11	RES-CHIP	47	5%	1/16W
R3112	1-218-937-11	RES-CHIP	47	5%	1/16W
R3113	1-218-937-11	RES-CHIP	47	5%	1/16W
R3114	1-218-937-11	RES-CHIP	47	5%	1/16W
R3115	1-218-941-81	RES-CHIP	100	5%	1/16W
R3116	1-218-937-11	RES-CHIP	47	5%	1/16W
R3117	1-218-937-11	RES-CHIP	47	5%	1/16W
R3118	1-218-937-11	RES-CHIP	47	5%	1/16W
R3119	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3120	1-218-937-11	RES-CHIP	47	5%	1/16W
R3121	1-218-937-11	RES-CHIP	47	5%	1/16W
R3122	1-218-937-11	RES-CHIP	47	5%	1/16W
R3123	1-218-937-11	RES-CHIP	47	5%	1/16W
R3124	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3125	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3126	1-218-937-11	RES-CHIP	47	5%	1/16W
R3127	1-218-937-11	RES-CHIP	47	5%	1/16W
R3129	1-218-941-81	RES-CHIP	100	5%	1/16W
R3130	1-218-941-81	RES-CHIP	100	5%	1/16W
R3131	1-218-937-11	RES-CHIP	47	5%	1/16W
R3132	1-218-937-11	RES-CHIP	47	5%	1/16W
R3133	1-218-937-11	RES-CHIP	47	5%	1/16W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3135	1-218-937-11	RES-CHIP	47	5%	1/16W
R3136	1-218-937-11	RES-CHIP	47	5%	1/16W
R3137	1-218-937-11	RES-CHIP	47	5%	1/16W
R3141	1-218-937-11	RES-CHIP	47	5%	1/16W
R3145	1-218-937-11	RES-CHIP	47	5%	1/16W
R3146	1-218-990-81	SHORT CHIP	0		
R3147	1-218-937-11	RES-CHIP	47	5%	1/16W
R3148	1-218-937-11	RES-CHIP	47	5%	1/16W
R3149	1-218-937-11	RES-CHIP	47	5%	1/16W
R3156	1-218-937-11	RES-CHIP	47	5%	1/16W
R3157	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3160	1-218-937-11	RES-CHIP	47	5%	1/16W
R3200	1-218-941-11	RES-CHIP	100	5%	1/16W
R3201	1-218-941-11	RES-CHIP	100	5%	1/16W
R3202	1-218-939-11	RES-CHIP	68	5%	1/16W
R3203	1-218-941-81	RES-CHIP	100	5%	1/16W
R3204	1-218-941-81	RES-CHIP	100	5%	1/16W
R3205	1-218-937-11	RES-CHIP	47	5%	1/16W
R3206	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3211	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3212	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3213	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3214	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3216	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3218	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3220	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3222	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3224	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3227	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3229	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3230	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3232	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3234	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3236	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3238	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3239	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3240	1-218-939-11	RES-CHIP	68	5%	1/16W
R3242	1-218-941-81	RES-CHIP	100	5%	1/16W
R3251	1-218-949-11	RES-CHIP	470	5%	1/16W
R3262	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3303	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3306	1-218-941-81	RES-CHIP	100	5%	1/16W
R3308	1-218-941-81	RES-CHIP	100	5%	1/16W
R3310	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3311	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3312	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3313	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3314	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3317	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3318	1-218-965-11	RES-CHIP	10K	5%	1/16W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3321	1-218-941-81	RES-CHIP	100	5%	1/16W
R3324	1-218-941-81	RES-CHIP	100	5%	1/16W
R3325	1-218-937-11	RES-CHIP	47	5%	1/16W
R3400	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3401	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3406	1-218-949-11	RES-CHIP	470	5%	1/16W
R3407	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3408	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3415	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3421	1-218-990-81	SHORT CHIP	0		
R3422	1-218-937-11	RES-CHIP	47	5%	1/16W
R3423	1-218-937-11	RES-CHIP	47	5%	1/16W
R3424	1-218-945-11	RES-CHIP	220	5%	1/16W
R3427	1-218-949-11	RES-CHIP	470	5%	1/16W
R3428	1-218-949-11	RES-CHIP	470	5%	1/16W
R3429	1-218-949-11	RES-CHIP	470	5%	1/16W
R3430	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3433	1-218-937-11	RES-CHIP	47	5%	1/16W
R3434	1-218-937-11	RES-CHIP	47	5%	1/16W
R3435	1-218-937-11	RES-CHIP	47	5%	1/16W
R3436	1-218-937-11	RES-CHIP	47	5%	1/16W
R3438	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3439	1-218-990-81	SHORT CHIP	0		
R3440	1-218-990-81	SHORT CHIP	0		
R3441	1-218-937-11	RES-CHIP	47	5%	1/16W
R3442	1-218-949-11	RES-CHIP	470	5%	1/16W
R3444	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3445	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3446	1-218-972-11	RES-CHIP	39K	5%	1/16W
R3447	1-218-972-11	RES-CHIP	39K	5%	1/16W
R3448	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3449	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3450	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3451	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3452	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3453	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3454	1-218-948-11	RES-CHIP	390	5%	1/16W
R3455	1-218-937-11	RES-CHIP	47	5%	1/16W
R3456	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3457	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3458	1-218-941-11	RES-CHIP	100	5%	1/16W
R3459	1-218-941-11	RES-CHIP	100	5%	1/16W
R3460	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3461	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3462	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3463	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3464	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3465	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3466	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3467	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3468	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3469	1-218-949-11	RES-CHIP	470	5%	1/16W
R3470	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3471	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3472	1-218-949-11	RES-CHIP	470	5%	1/16W
R3473	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3474	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3475	1-218-949-11	RES-CHIP	470	5%	1/16W
R3478	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3479	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3480	1-218-941-81	RES-CHIP	100	5%	1/16W
R3481	1-218-941-81	RES-CHIP	100	5%	1/16W
R3482	1-218-948-11	RES-CHIP	390	5%	1/16W
R3483	1-218-948-11	RES-CHIP	390	5%	1/16W
R3484	1-216-001-00	RES-CHIP	10	5%	1/10W
R3485	1-218-990-81	SHORT CHIP	0		
R3486	1-218-948-11	RES-CHIP	390	5%	1/16W
R3487	1-218-945-11	RES-CHIP	220	5%	1/16W
R3488	1-218-945-11	RES-CHIP	220	5%	1/16W
R3489	1-218-945-11	RES-CHIP	220	5%	1/16W
R3490	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3491	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3492	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3493	1-218-941-81	RES-CHIP	100	5%	1/16W
R3500	1-216-295-91	SHORT CHIP	0		
R3501	1-216-295-91	SHORT CHIP	0		
R3502	1-216-295-91	SHORT CHIP	0		
R3504	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3505	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3506	1-218-941-81	RES-CHIP	100	5%	1/16W
R3507	1-218-941-81	RES-CHIP	100	5%	1/16W
R3508	1-216-295-91	SHORT CHIP	0		
R3509	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3510	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3511	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3516	1-218-937-11	RES-CHIP	47	5%	1/16W
R3517	1-218-937-11	RES-CHIP	47	5%	1/16W
R3518	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3537	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3542	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3543	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3544	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3545	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3546	1-218-941-81	RES-CHIP	100	5%	1/16W
R3547	1-218-941-81	RES-CHIP	100	5%	1/16W
R3548	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3550	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R3554	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3558	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R3559	1-208-927-11	METAL CHIP	47K	0.5%	1/16W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3560	1-218-937-11	RES-CHIP	47	5%	1/16W
R3561	1-218-941-81	RES-CHIP	100	5%	1/16W
R3562	1-218-941-81	RES-CHIP	100	5%	1/16W
R3563	1-218-941-81	RES-CHIP	100	5%	1/16W
R3564	1-218-941-81	RES-CHIP	100	5%	1/16W
R3565	1-218-941-81	RES-CHIP	100	5%	1/16W
R3566	1-218-989-11	RES-CHIP	1M	5%	1/16W
R3567	1-218-941-81	RES-CHIP	100	5%	1/16W
R3601	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3602	1-218-941-81	RES-CHIP	100	5%	1/16W
R3603	1-218-941-81	RES-CHIP	100	5%	1/16W
R3604	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3609	1-218-941-81	RES-CHIP	100	5%	1/16W
R3610	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3611	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3613	1-218-941-81	RES-CHIP	100	5%	1/16W
R3616	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3617	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3620	1-218-941-81	RES-CHIP	100	5%	1/16W
R3621	1-218-941-81	RES-CHIP	100	5%	1/16W
R3623	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3629	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3631	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3633	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3635	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3637	1-218-948-11	RES-CHIP	390	5%	1/16W
R3638	1-218-948-11	RES-CHIP	390	5%	1/16W
R3639	1-218-948-11	RES-CHIP	390	5%	1/16W
R3640	1-218-948-11	RES-CHIP	390	5%	1/16W
R3641	1-218-948-11	RES-CHIP	390	5%	1/16W
R3642	1-218-941-81	RES-CHIP	100	5%	1/16W
R3645	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3646	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3647	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3800	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3801	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3802	1-218-941-81	RES-CHIP	100	5%	1/16W
R3803	1-218-941-81	RES-CHIP	100	5%	1/16W
R3804	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3806	1-218-941-81	RES-CHIP	100	5%	1/16W
R3809	1-218-941-81	RES-CHIP	100	5%	1/16W
R3810	1-218-941-81	RES-CHIP	100	5%	1/16W
R3814	1-218-941-81	RES-CHIP	100	5%	1/16W
R3815	1-218-941-81	RES-CHIP	100	5%	1/16W
R3816	1-218-941-81	RES-CHIP	100	5%	1/16W
R3817	1-218-941-81	RES-CHIP	100	5%	1/16W
R3818	1-218-941-81	RES-CHIP	100	5%	1/16W
R3819	1-218-941-81	RES-CHIP	100	5%	1/16W
R3820	1-218-941-81	RES-CHIP	100	5%	1/16W
R3821	1-218-941-81	RES-CHIP	100	5%	1/16W
R3822	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3824	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3825	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3826	1-218-941-81	RES-CHIP	100	5%	1/16W
R3827	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3828	1-218-941-81	RES-CHIP	100	5%	1/16W
R3830	1-218-941-81	RES-CHIP	100	5%	1/16W
R3831	1-218-941-81	RES-CHIP	100	5%	1/16W
R3832	1-218-990-81	SHORT CHIP	0		
R3835	1-218-941-81	RES-CHIP	100	5%	1/16W
R3836	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3837	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3838	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3839	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3840	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3841	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3842	1-218-941-81	RES-CHIP	100	5%	1/16W
R3843	1-218-941-81	RES-CHIP	100	5%	1/16W
R3844	1-218-941-81	RES-CHIP	100	5%	1/16W
R3846	1-218-949-11	RES-CHIP	470	5%	1/16W
R3848	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3849	1-218-941-81	RES-CHIP	100	5%	1/16W
R3850	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3852	1-218-941-81	RES-CHIP	100	5%	1/16W
R3853	1-218-941-81	RES-CHIP	100	5%	1/16W
R3854	1-218-941-81	RES-CHIP	100	5%	1/16W
R3855	1-218-941-81	RES-CHIP	100	5%	1/16W
R3856	1-218-941-81	RES-CHIP	100	5%	1/16W
R3857	1-218-941-81	RES-CHIP	100	5%	1/16W
R3858	1-218-941-81	RES-CHIP	100	5%	1/16W
R3859	1-218-941-81	RES-CHIP	100	5%	1/16W
R3861	1-218-941-81	RES-CHIP	100	5%	1/16W
R3862	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3892	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3895	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3896	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3899	1-218-965-11	RES-CHIP	10K	5%	1/16W

< RESISTOR CHIP >

REF.NO.	PART NO.	DESCRIPTION	REMARK
RB3100	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3101	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3102	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3103	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3104	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3105	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3106	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3107	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3108	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3109	1-234-370-21	RES, NETWORK 22	(1005X4)

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

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REF.NO.	PART NO.	DESCRIPTION		REMARK
RB3110	1-234-370-21	RES, NETWORK 22		(1005X4)
RB3200	1-234-372-21	RES, NETWORK 100		(1005X4)
RB3201	1-234-372-21	RES, NETWORK 100		(1005X4)
RB3202	1-234-372-21	RES, NETWORK 100		(1005X4)
RB3203	1-234-702-11	RES, NETWORK 68		(1005X4)
RB3204	1-234-702-11	RES, NETWORK 68		(1005X4)
RB3206	1-234-372-21	RES, NETWORK 100		(1005X4)
RB3207	1-234-372-21	RES, NETWORK 100		(1005X4)
RB3208	1-234-702-11	RES, NETWORK 68		(1005X4)
RB3209	1-234-702-11	RES, NETWORK 68		(1005X4)
RB3500	1-234-371-21	RES, NETWORK 47		(1005X4)
RB3501	1-234-371-21	RES, NETWORK 47		(1005X4)
		< CRYSTAL >		
X3200	1-813-055-11	QUARTZ CRYSTAL UNIT		
X3500	1-813-547-11	QUARTZ CRYSTAL UNIT		

* A-1151-514-A AG COMPL DIG ZAPPING

REF.NO.	PART NO.	DESCRIPTION		REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)		
		< CAPACITOR >		
C1001	1-164-156-11	CERAMIC CHIP	0.1UF	25V
C1003	1-164-156-11	CERAMIC CHIP	0.1UF	25V
C1005	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1006	1-126-767-11	ELECT	1000UF	20.00% 16V
C1008	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1010	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1011	1-104-662-91	ELECT	22UF	20.00% 25V
C1012	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1013	1-163-131-00	CERAMIC CHIP	390PF	5.00% 50V
C1014	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1015	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1016	1-125-891-11	CERAMIC CHIP	0.47UF	10.00% 10V
C1017	1-127-715-91	CERAMIC CHIP	0.22UF	10% 16V
C1018	1-162-964-11	CERAMIC CHIP	0.001UF	10.00% 50V
C1019	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1020	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1021	1-131-664-91	CERAMIC CHIP	0.15UF	10% 10V
C1024	1-162-919-11	CERAMIC CHIP	22PF	5.00% 50V
C1025	1-216-864-11	SHORT CHIP	0	
C1026	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1027	1-162-926-11	CERAMIC CHIP	82PF	5.00% 50V
C1028	1-164-388-91	CERAMIC CHIP	270PF	5.00% 50V
C1029	1-162-915-11	CERAMIC CHIP	10PF	0.50PF 50V
C1030	1-162-928-11	CERAMIC CHIP	120PF	5.00% 50V
C1031	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1034	1-126-933-11	ELECT	100UF	20.00% 16V
C1035	1-165-908-11	CERAMIC CHIP	1UF	10% 10V
C1037	1-164-315-11	CERAMIC CHIP	470PF	5.00% 50V
C1039	1-165-176-11	CERAMIC CHIP	0.047UF	10.00% 16V
C1040	1-135-372-31	ELECT	470UF	20% 10V
C1103	1-162-927-11	CERAMIC CHIP	100PF	5.00% 50V
C1104	1-162-927-11	CERAMIC CHIP	100PF	5.00% 50V
C1106	1-164-156-11	CERAMIC CHIP	0.1UF	25V
C1220	1-126-933-11	ELECT	100UF	20.00% 16V
C1221	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1222	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1223	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1224	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1230	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1231	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1232	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1233	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1235	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1237	1-126-964-11	ELECT	10UF	20.00% 50V
C1239	1-126-933-11	ELECT	100UF	20.00% 16V
C1242	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1243	1-107-826-11	CERAMIC CHIP	0.1UF	10.00% 16V
C1244	1-126-933-11	ELECT	100UF	20.00% 16V
C1601	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V
C1604 ⚠	1-104-571-91	CERAMIC	0.0015UF	10.00% 2KV
C1605 ⚠	1-104-571-91	CERAMIC	0.0015UF	10.00% 2KV
C1607 ⚠	1-104-571-91	CERAMIC	0.0015UF	10.00% 2KV
C1608 ⚠	1-104-571-91	CERAMIC	0.0015UF	10.00% 2KV
C1609	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C1612	1-117-753-11	ELECT(BLOCK)	470UF	20.00% 450V
C1613	1-126-964-11	ELECT	10UF	20.00% 50V
C1614	1-126-967-11	ELECT	47UF	20.00% 50V
C1615	1-126-948-11	ELECT	100UF	20.00% 35V
C1618	1-136-497-81	FILM	0.1UF	5.00% 50V
C1620	1-107-902-11	ELECT	1UF	20% 50V
C1622	1-126-961-11	ELECT	2.2UF	20.00% 50V
C1623	1-136-479-11	FILM	0.001UF	5.00% 100V
C1624	1-126-963-11	ELECT	4.7UF	20.00% 50V
C1626	1-113-924-11	CERAMIC	0.0047UF	20.00% 250V
C1627	1-125-969-91	CERAMIC	680PF	10.00% 1KV
C1628	1-125-969-91	CERAMIC	680PF	10.00% 1KV
C1629	1-135-946-22	FILM	47000PF	3% 800V
C1630	1-126-939-11	ELECT	10000UF	20.00% 16V
C1631	1-107-914-11	ELECT	1000UF	20% 50V
C1632	1-126-964-11	ELECT	10UF	20.00% 50V
C1634	1-126-944-11	ELECT	3300UF	20.00% 25V
C1635	1-126-944-11	ELECT	3300UF	20.00% 25V
C1639	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1640	1-107-888-11	ELECT	47UF	20% 25V
C1642	1-107-906-11	ELECT	10UF	20% 50V
C1648	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C1652	1-107-906-11	ELECT	10UF	20% 50V
C1653	1-107-909-11	ELECT	47UF	20% 50V

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

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REF.NO.		PART NO.	DESCRIPTION		REMARK	
C1655		1-163-009-91	CERAMIC CHIP	0.001UF	10.00%	50V
C1656		1-163-009-91	CERAMIC CHIP	0.001UF	10.00%	50V
C1659		1-137-194-81	FILM	0.47UF	5.00%	50V
C1660	⚠	1-165-530-11	MYLAR	0.47UF	10	275V
C1661	⚠	1-119-887-51	CERAMIC	1000PF	20.00%	250V
C1662	⚠	1-119-887-51	CERAMIC	1000PF	20.00%	250V
C1664	⚠	1-165-530-11	MYLAR	0.47UF	10	275V
C1670		1-125-497-11	ELECT(BLOCK)	100UF	20%	400V
C1671		1-125-497-11	ELECT(BLOCK)	100UF	20%	400V
C1672		1-161-830-00	CERAMIC	0.0047UF		500V
C2002		1-128-528-11	ELECT	470UF	20%	25V
C2003		1-126-965-91	ELECT	22UF	20.00%	50V
C2025		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C2033		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C2302		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2304		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2305		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2306		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2502		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2503		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2504		1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C2505		1-107-907-11	ELECT	22UF	20%	50V
C2506		1-126-965-91	ELECT	22UF	20.00%	50V
C2507		1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C2511		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C2512		1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2513		1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2514		1-107-715-11	ELECT	22UF	20%	50V
C3000		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C3001		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C3002		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C3003		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C3004		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C4200		1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
C4201		1-164-160-11	CERAMIC CHIP	20PF	5.00%	50V
C4202		1-115-456-21	DOUBLE LAYER	0.22F		5.5V
C6200		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6201		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6202		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6203		1-107-909-11	ELECT	47UF	20%	50V
C6205		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6208		1-128-526-11	ELECT	100UF	20%	25V
C6211		1-104-665-11	ELECT	100UF	20.00%	25V
C6213		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6214		1-128-526-11	ELECT	100UF	20%	25V
C6215		1-128-526-11	ELECT	100UF	20%	25V
C6217		1-126-767-11	ELECT	1000UF	20.00%	16V
C6218		1-126-767-11	ELECT	1000UF	20.00%	16V
C6223		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6224		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6226		1-128-942-31	ELECT	1000UF	20%	6.3V
C6227		1-128-942-31	ELECT	1000UF	20%	6.3V
C6229		1-128-528-11	ELECT	470UF	20%	25V
C6230		1-126-935-11	ELECT	470UF	20.00%	16V
C6235		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6236		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6238		1-128-526-11	ELECT	100UF	20%	25V
C6239		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6240		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6241		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6243		1-104-665-11	ELECT	100UF	20.00%	25V
C6244		1-126-947-11	ELECT	47UF	20.00%	35V
C6257		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6259		1-104-665-11	ELECT	100UF	20.00%	25V
C6260		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6263		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6264		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6265		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6266		1-164-156-11	CERAMIC CHIP	0.1UF		25V
C6300	⚠	1-126-943-11	ELECT	2200UF	20.00%	25V
C6301		1-126-971-11	ELECT	470UF	20.00%	50V
C6303		1-126-964-11	ELECT	10UF	20.00%	50V
C8206		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V

< CONNECTOR >

REF.NO.		PART NO.	DESCRIPTION
CN1230		1-695-915-11	TAB (CONTACT)
CN1601	⚠ *	1-580-843-11	PIN, CONNECTOR (POWER)
CN1602	*	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
CN1603	*	1-816-974-51	PLUG, CONNECTOR 3P
CN1610		1-695-915-11	TAB (CONTACT)
CN1611		1-695-915-11	TAB (CONTACT)
CN1612		1-695-915-11	TAB (CONTACT)
CN1616	⚠ *	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P
CN2001		1-695-915-11	TAB (CONTACT)
CN2002		1-695-915-11	TAB (CONTACT)
CN2003	*	1-564-507-11	PLUG, CONNECTOR 4P
CN2004		1-695-915-11	TAB (CONTACT)
CN2005		1-695-915-11	TAB (CONTACT)
CN2006		1-695-915-11	TAB (CONTACT)
CN2007		1-695-915-11	TAB (CONTACT)
CN2008		1-695-915-11	TAB (CONTACT)
CN2302		1-764-334-11	PIN, CONNECTOR(PCB) (V TYPE)11P
CN2303	*	1-816-985-71	PLUG, CONNECTOR 8P
CN2304	*	1-564-512-11	PLUG, CONNECTOR 9P
CN3000		1-764-333-11	PIN, CONNECTOR(PCB) (V TYPE)10P
CN3001	*	1-816-983-71	PLUG, CONNECTOR 6P
CN5201	*	1-823-330-11	CONNECTOR, BOARD TO BOARD 40P
CN5209	*	1-564-508-11	PLUG, CONNECTOR 5P
CN6204		1-695-915-11	TAB (CONTACT)
CN6205		1-695-915-11	TAB (CONTACT)

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION		REMARK
CN6208	* 1-564-512-11	PLUG, CONNECTOR 9P		
		< DIODE >		
D1002	8-719-050-38	DIODE M1MA152WK-T1		
D1005	8-719-081-97	DIODE MMDL914T1		
D1007	8-719-081-67	DIODE M1FM3		
D1008	8-719-073-69	DIODE PTZ-TE25-6.2A		
D1230	8-719-083-87	DIODE UDZS-TE17-33B		
D1601	8-719-054-36	DIODE FCH10A06		
D1602	6-500-067-01	DIODE GSIB460L/45		
D1607	8-719-979-64	DIODE UF4005/23		
D1608	8-719-060-90	DIODE S2L60F		
D1609	8-719-063-73	DIODE D1NL20U-TR		
D1612	8-719-060-90	DIODE S2L60F		
D1613	8-719-081-97	DIODE MMDL914T1		
D1616	8-719-081-97	DIODE MMDL914T1		
D1617	8-719-081-97	DIODE MMDL914T1		
D1618	8-719-081-97	DIODE MMDL914T1		
D1619	8-719-083-82	DIODE UDZS-TE17-12B		
D1620	8-719-054-36	DIODE FCH10A06		
D1621	8-719-018-84	DIODE D2S6M		
D1624	8-719-060-88	DIODE D4SBS6		
D1631	8-719-081-97	DIODE MMDL914T1		
D1632	1-216-295-91	SHORT CHIP	0	
D1635	8-719-060-90	DIODE S2L60F		
D1636	8-719-060-90	DIODE S2L60F		
D2004	8-719-081-97	DIODE MMDL914T1		
D2005	8-719-081-97	DIODE MMDL914T1		
D3001	8-719-050-38	DIODE M1MA152WK-T1		
D4200	8-719-914-43	DIODE DAN202K		
D6201	8-719-022-97	DIODE D2S4MF		
D6202	8-719-022-97	DIODE D2S4MF		
D6206	8-719-081-97	DIODE MMDL914T1		
D6207	8-719-081-97	DIODE MMDL914T1		
D6208	8-719-081-97	DIODE MMDL914T1		
D6209	8-719-081-97	DIODE MMDL914T1		
D6211	6-500-294-01	DIODE PTZ-TE25-3.9B		
D6212	6-500-294-01	DIODE PTZ-TE25-3.9B		
D6302	8-719-511-40	DIODE S1VB40		
D6304	8-719-081-97	DIODE MMDL914T1		
D6306	8-719-081-97	DIODE MMDL914T1		
		< FUSE >		
F1601 ⚠	1-576-232-51	FUSE	5A	250V
		< FERRITE BEAD >		
FB1101	1-412-987-31	INDUCTOR	4.7UH	
FB1200	1-469-869-21	FERRITE	0UH	
FB1201	1-469-869-21	FERRITE	0UH	
FB1230	1-469-869-21	FERRITE	0UH	
FB1231	1-469-869-21	FERRITE	0UH	
		< CLIP FUSE >		
FH1601 ⚠	1-533-725-11	FUSE HOLDER	0A	0V
		< FILTER >		
FL1230	1-239-899-21	FERRITE	0UH	
		< IC >		
IC1001	6-704-747-01	IC TDA9886TS/V4,118		
IC1002	6-704-120-01	IC MD3221N		
IC1601	6-705-810-01	IC MCZ3001DB		
IC1602	8-759-198-31	IC UPC1093J-1-T		
IC2500	8-759-590-05	IC TDA7269A		
IC4200	8-759-478-44	IC PCF8593/T118		
IC6201	6-702-313-01	IC PST600IMT		
IC6202	6-708-659-01	IC BA00BC0WT-V5		
IC6203	8-759-098-24	IC PQ30RV11J00H		
IC6204	8-759-394-36	IC BA09T		
IC6205	8-759-098-24	IC PQ30RV11J00H		
IC6207	8-759-640-19	IC PQ1CG2032FZ		
IC6208	8-759-640-19	IC PQ1CG2032FZ		
IC6210	8-759-520-49	IC PQ30RV21J00H		
		< JUMPER RESISTOR >		
JR1	1-216-295-91	SHORT CHIP	0	
JR2	1-216-295-91	SHORT CHIP	0	
JR1002	1-216-864-11	SHORT CHIP	0	
JR1003	1-216-864-11	SHORT CHIP	0	
JR1004	1-216-864-11	SHORT CHIP	0	
JR1008	1-216-864-11	SHORT CHIP	0	
JR1009	1-216-864-11	SHORT CHIP	0	
JR1011	1-216-864-11	SHORT CHIP	0	
JR1012	1-216-864-11	SHORT CHIP	0	
JR1201	1-216-864-11	SHORT CHIP	0	
JR1202	1-216-864-11	SHORT CHIP	0	
JR1230	1-216-864-11	SHORT CHIP	0	
JR1231	1-216-864-11	SHORT CHIP	0	
JR1232	1-216-864-11	SHORT CHIP	0	
JR1233	1-216-864-11	SHORT CHIP	0	
JR1234	1-216-864-11	SHORT CHIP	0	
JR1235	1-216-864-11	SHORT CHIP	0	
JR1236	1-216-864-11	SHORT CHIP	0	
JR1237	1-216-864-11	SHORT CHIP	0	
JR6224	1-216-864-11	SHORT CHIP	0	
JR6225	1-216-864-11	SHORT CHIP	0	
JR6238	1-216-864-11	SHORT CHIP	0	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< COIL >	
L1001	1-414-934-21	INDUCTOR 10UH	
L1002	1-414-934-21	INDUCTOR 10UH	
L1003	1-406-663-21	INDUCTOR 47UH	
L1004	1-216-864-11	SHORT CHIP 0	
L1005	1-216-864-11	SHORT CHIP 0	
L1006	1-410-509-11	INDUCTOR 10UH	
L1007	1-414-934-21	INDUCTOR 10UH	
L1008	1-457-154-11	INDUCTOR 10UH	
L1009	1-406-663-21	INDUCTOR 47UH	
L1010	1-406-663-21	INDUCTOR 47UH	
L1012	1-216-864-11	SHORT CHIP 0	
L1013	1-216-864-11	SHORT CHIP 0	
L1100	1-414-580-21	INDUCTOR 100NH	
L1101	1-414-580-21	INDUCTOR 100NH	
L1102	1-414-934-21	INDUCTOR 10UH	
L1230	1-412-006-31	INDUCTOR 10UH	
L1601	1-412-525-31	INDUCTOR 10UH	
L1602	1-469-578-11	FERRITE 1.1UH	
L1603	1-469-578-11	FERRITE 1.1UH	
L1609	1-406-659-11	INDUCTOR 10UH	
L1616	1-406-984-11	INDUCTOR 1.5MH	
L6202	1-456-803-11	INDUCTOR 100UH	
L6203	1-456-803-11	INDUCTOR 100UH	
L6207	1-412-525-31	INDUCTOR 10UH	
L6208	1-412-525-31	INDUCTOR 10UH	
L6210	1-414-928-21	INDUCTOR 1UH	
		< PHOTOCOUPLER >	
PH1601 ⚠	6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
		< PROTECTOR MODULE >	
PS1600 ⚠	1-576-288-32	IC LINK	10A 90V
PS6202 ⚠	1-801-549-21	IC LINK	4A 0V
PS6204 ⚠	1-801-549-21	IC LINK	4A 0V
		< TRANSISTOR >	
Q1002	8-729-421-19	TRANSISTOR UN2213	
Q1003	8-729-421-19	TRANSISTOR UN2213	
Q1004	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
Q1008	8-729-054-41	TRANSISTOR MUN2232T1	
Q1009	8-729-010-05	TRANSISTOR MSB709-RT1	
Q1603	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1604	8-729-010-05	TRANSISTOR MSB709-RT1	
Q1605	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1606	8-729-052-32	TRANSISTOR IRFIB7N50A-LF31	
Q1607	8-729-052-32	TRANSISTOR IRFIB7N50A-LF31	
Q2001	8-729-010-05	TRANSISTOR MSB709-RT1	

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q2500	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2501	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2502	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2503	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2504	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6201	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q6202	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q6203	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6302	8-729-901-06	TRANSISTOR DTA144EK	
Q6305	8-729-010-29	TRANSISTOR MSD601-RST1	
		< RESISTOR >	
R1004	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1006	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R1007	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1009	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R1010	1-216-818-11	METAL CHIP 560 5% 1/10W	
R1011	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1013	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1014	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1016	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1018	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R1019	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1020	1-216-811-11	METAL CHIP 150 5% 1/10W	
R1027	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
R1028	1-216-813-11	METAL CHIP 220 5% 1/10W	
R1029	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1030	1-216-819-11	METAL CHIP 680 5% 1/10W	
R1032	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R1033	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1034	1-216-807-11	METAL CHIP 68 5% 1/10W	
R1035	1-216-807-11	METAL CHIP 68 5% 1/10W	
R1036	1-216-814-11	METAL CHIP 270 5% 1/10W	
R1037	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1038	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1039	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1041	1-216-812-11	METAL CHIP 180 5% 1/10W	
R1043	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R1047	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1048	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R1050	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1051	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1052	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1101	1-412-987-31	INDUCTOR 4.7UH	
R1102	1-414-760-21	FERRITE 0UH	
R1103	1-414-760-21	FERRITE 0UH	
R1105	1-414-580-21	INDUCTOR 100NH	
R1233	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1234	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1235	1-216-809-11	METAL CHIP 100 5% 1/10W	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

AG

REF.NO.	PART NO.	DESCRIPTION				REMARK
R1237	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1238	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R1239	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R1601	1-245-494-21	METAL	2.2M	2%	1/4W	
R1602	1-245-494-21	METAL	2.2M	2%	1/4W	
R1607	1-249-417-11	CARBON	1K	5%	1/4W	
R1613 ⚠	1-202-933-61	FUSIBLE	0.1	10%	1/2W	
R1616	1-249-393-11	CARBON	10	5%	1/4W	
R1617	1-249-377-11	CARBON	0.47	5%	1/4W	
R1618	1-260-288-11	CARBON	0.47	5%	1/2W	
R1619 ⚠	1-220-886-11	FUSIBLE	0.1	10%	1W	
R1620	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1621	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
R1622	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1623	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R1625	1-245-478-21	METAL	470K	1%	1/4W	
R1626	1-245-478-21	METAL	470K	1%	1/4W	
R1628	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	
R1629	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R1630	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1631	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1632	1-216-797-11	METAL CHIP	10	5%	1/10W	
R1633	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1634	1-216-797-11	METAL CHIP	10	5%	1/10W	
R1635	1-216-073-91	RES-CHIP	10K	5%	1/10W	
R1638	1-202-965-11	METAL	0.02	10%	2W	
R1641	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R1642	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	
R1643	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W	
R1644	1-216-025-11	RES-CHIP	100	5%	1/10W	
R1645	1-216-017-91	RES-CHIP	47	5%	1/10W	
R1646	1-218-873-11	METAL CHIP	12K	0.5%	1/10W	
R1647	1-216-041-00	RES-CHIP	470	5%	1/10W	
R1649	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R1650	1-218-839-11	METAL CHIP	470	0.5%	1/10W	
R1651 ⚠	1-205-998-11	CEMENTED	1	5%	10W	
R1652 ⚠	1-205-998-11	CEMENTED	1	5%	10W	
R1653 ⚠	1-202-719-00	SOLID	1M	20%	1/2W	
R1654	1-260-288-11	CARBON	0.47	5%	1/2W	
R1655	1-260-288-11	CARBON	0.47	5%	1/2W	
R1656	1-215-904-11	METAL OXIDE	100K	5%	2W	
R1657	1-215-904-11	METAL OXIDE	100K	5%	2W	
R1662 ⚠	1-218-265-11	METAL	8.2M	5%	1W	
R1664	1-216-295-91	SHORT CHIP	0			
R2009	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R2024	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R2025	1-216-838-11	METAL CHIP	27K	5%	1/10W	
R2026	1-216-864-11	SHORT CHIP	0			
R2027	1-216-113-00	RES-CHIP	470K	5%	1/10W	
R2500	1-216-841-11	METAL CHIP	47K	5%	1/10W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R2501	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2502	1-216-818-11	METAL CHIP	560	5%	1/10W	
R2503	1-216-818-11	METAL CHIP	560	5%	1/10W	
R2504	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R2505	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R2506	1-216-836-11	METAL CHIP	18K	5%	1/10W	
R2507	1-216-836-11	METAL CHIP	18K	5%	1/10W	
R2508	1-216-809-11	METAL CHIP	100	5%	1/10W	
R2509	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	
R2510	1-216-846-11	METAL CHIP	120K	5%	1/10W	
R2511	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	
R2512	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	
R2513	1-216-864-11	SHORT CHIP	0			
R2519	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R2520	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R2521	1-243-826-21	METAL OXIDE	4.7	5%	1W	
R2522	1-243-826-21	METAL OXIDE	4.7	5%	1W	
R2523	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R2524	1-216-864-11	SHORT CHIP	0			
R2525	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R3001	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3002	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R3003	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R4200	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R4201	1-216-809-11	METAL CHIP	100	5%	1/10W	
R4202	1-216-809-11	METAL CHIP	100	5%	1/10W	
R6200	1-218-835-11	METAL CHIP	330	0.5%	1/10W	
R6201	1-218-839-11	METAL CHIP	470	0.5%	1/10W	
R6202	1-218-860-11	METAL CHIP	3.6K	0.5%	1/10W	
R6203	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	
R6206	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	
R6207	1-218-849-11	METAL CHIP	1.2K	0.5%	1/10W	
R6209	1-216-864-11	SHORT CHIP	0			
R6210	1-216-864-11	SHORT CHIP	0			
R6211	1-218-850-11	METAL CHIP	1.3K	0.5%	1/10W	
R6212	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R6214	1-216-846-11	METAL CHIP	120K	5%	1/10W	
R6215	1-216-844-11	METAL CHIP	82K	5%	1/10W	
R6216	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
R6217	1-218-891-11	METAL CHIP	68K	0.5%	1/10W	
R6218	1-218-915-11	METAL CHIP	680K	0.5%	1/10W	
R6219	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
R6220	1-218-837-11	METAL CHIP	390	0.5%	1/10W	
R6221	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
R6222	1-216-807-11	METAL CHIP	68	5%	1/10W	
R6223	1-218-883-11	METAL CHIP	33K	0.5%	1/10W	
R6229	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R6239	1-218-901-11	METAL CHIP	180K	0.5%	1/10W	
R6240	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W	
R6242	1-218-872-11	METAL CHIP	11K	0.5%	1/10W	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R6256	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R6262	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R6263	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6264	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6267	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6303	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R6308	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R6309	1-216-821-11	METAL CHIP 1K 5% 1/10W	
		< RELAY >	
RY1601 ⚠	1-755-395-11	RELAY (AC POWER)	
		< FILTER >	
SF1001	1-795-617-11	SAW FILTER	
SF1003	1-767-083-11	FILTER, SURFACE WAVE	
		< TRANSFORMER >	
T1200	1-417-646-11	RF SPLITTER	
T1603 ⚠	1-435-512-21	TRANSFORMER, CONVERTER (PIT)	
T1605 ⚠	1-433-488-31	TRANSFORMER, LINE FILTER	
T6300 ⚠	1-443-114-11	TRANSFORMER, STANDBY	
		< TUNER >	
TU1001	8-597-953-00	TUNER, FSS BTP-AC431	
TU1230	8-597-998-00	TUNER, FSS BTP-DC411	
		< VARISTOR >	
VD1602 ⚠	1-804-995-11	VARISTOR	
		< CRYSTAL >	
X1001	1-767-704-11	VIBRATOR, CRYSTAL	
X4200	1-760-105-11	VIBRATOR, CRYSTAL	

* A-1107-971-A H2 BOARD COMPLETE

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< CAPACITOR >	
C2000	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
C9001	1-119-667-11	CERAMIC CHIP 22UF 10V	
C9002	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
		< CONNECTOR >	
CN1000	* 1-564-526-31	PLUG, CONNECTOR 11P	
		< DIODE >	
D1700	8-719-069-55	DIODE UDZSTE-175.6B	
D1701	8-719-069-55	DIODE UDZSTE-175.6B	
D1702	8-719-064-11	DIODE SPR-325MVW	
D1704	8-719-064-11	DIODE SPR-325MVW	
D1705	8-719-053-43	DIODE SLR-325VCT31	
		< IC >	
IC1000	6-703-744-01	IC GP1UE26SXKOF	
		< TRANSISTOR >	
Q1010	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1011	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1012	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1013	8-729-010-29	TRANSISTOR MSD601-RST1	
		< RESISTOR >	
R6310	1-216-864-11	SHORT CHIP 0	
R6311	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6312	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6313	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6314	1-216-813-11	METAL CHIP 220 5% 1/10W	
R6315	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6316	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6317	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6318	1-216-813-11	METAL CHIP 220 5% 1/10W	
R6319	1-216-813-11	METAL CHIP 220 5% 1/10W	
R6320	1-216-017-91	RES-CHIP 47 5% 1/10W	
R6321	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6322	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6323	1-218-837-11	METAL CHIP 390 0.5% 1/10W	
		< SWITCH >	
S1000	1-692-431-21	SWITCH, TACTILE	

* A-1107-970-A H1 BOARD COMPLETE

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< CONNECTOR >	
CN4404	* 1-564-519-11	PLUG, CONNECTOR 4P	
		< DIODE >	
D4401	8-719-069-55	DIODE UDZSTE-175.6B	
D4402	8-719-069-55	DIODE UDZSTE-175.6B	
		< RESISTOR >	
R4420	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
R4421	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
R4422	1-216-864-11	SHORT CHIP 0	
R4423	1-208-800-11	METAL CHIP 5.6K 0.5% 1/10W	
R4424	1-218-837-11	METAL CHIP 390 0.5% 1/10W	
R4425	1-218-827-11	METAL CHIP 150 0.5% 1/10W	
		< SWITCH >	
S4400	1-692-431-21	SWITCH, TACTILE	
S4402	1-692-431-21	SWITCH, TACTILE	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
S4403	1-692-431-21	SWITCH, TACTILE	
S4404	1-692-431-21	SWITCH, TACTILE	
S4405	1-692-431-21	SWITCH, TACTILE	
S4406	1-692-431-21	SWITCH, TACTILE	

MISCELLANEOUS

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-826-219-11	LOUD SPEAKER (5.5x15CM)	
⚠	1-823-715-21	CORD, POWER	
⚠	1-787-373-11	D.C. FAN	
	1-576-912-11	THERMOSTAT	
⚠	1-468-936-13	POWER SUPPLY BLOCK	
⚠	1-787-231-11	D.C. FAN (SIROCCO)	

ACCESSORIES AND CONNECTORS

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-900-277-08	CONNECTOR ASSY 2P	
	1-910-017-08	CONNECTOR ASSY, 9P EHR-ZHR	
	1-910-017-09	CONNECTOR ASSY, 10P DF13-ZHR	
	1-910-017-10	CONNECTOR ASSY, 15P DF13-EHR	
	1-910-017-11	CONNECTOR ASSY, 8P EHR-DF13	
	1-910-017-12	CONNECTOR ASSY, 6P EHR-ZHR	
	1-910-017-13	CONNECTOR ASSY, 11P EHR-ZHR	
	1-910-017-14	CONNECTOR ASSY, 4P EHR-ZHR	
	1-910-017-15	CONNECTOR ASSY, 11P EHR-ZHR	
	1-910-017-16	CONNECTOR ASSY, 9P EHR-ZHR	
	1-910-017-17	CONNECTOR ASSY, 8P EHR-DF13	
	1-910-017-19	CONNECTOR ASSY, 14 PDF13-DF13	
	1-910-017-21	CONNECTOR ASSY, 5P ZHR-SHR	
	1-910-017-22	CONNECTOR ASSY, 3P VHR-VHR	
	1-910-017-23	CONNECTOR ASSY, 6P EHR-SMR	
	1-910-017-24	CONNECTOR ASSY, 10P EHR-AERIAL	
	1-910-017-25	CONNECTOR ASSY, 2P SMR-RHR	
	1-910-017-27	CONNECTOR ASSY, 15P GHR-DF13	
	1-910-017-28	CONNECTOR ASSY, 3P	
	1-910-018-74	CONNECTOR ASSY, 8P	
	1-910-018-75	CONNECTOR ASSY, 8P	
	1-910-018-91	CONNECTOR ASSY, 2P	
	2-590-739-12	CONNECTOR, HOLDER	
	*2-591-157-21	COVER, POD	
	*2-591-161-11	COVER, ADJUSTER	
	*2-631-704-11	COVER, REAR	
	2-657-538-11	INSTRUCTION MANUAL	
	2-657-538-21	INSTRUCTION MANUAL	
	2-657-538-31	INSTRUCTION MANUAL	

REMOTE COMMANDER

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-479-392-12	REMOTE COMMANDER (RM-ED002)	

9-927-530-02

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